



Report Cover Waste Management Division



Analysis of Brownfields Cleanup Alternatives Update
Associated Electric

Hillsborough, New Hampshire

NHDES Site #: 199203033
Project Type: SITEEVALHW
Project #: 39571

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**Analysis of Brownfields Cleanup
Alternatives Update**

ASSOCIATED ELECTRIC

Hillsborough, New Hampshire

NHDES Site No. 199203033

Prepared for Town of Hillsborough

File No. 4682.007

November 2025

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1.0 INTRODUCTION

Sanborn, Head & Associates, Inc. (Sanborn Head) prepared this Analysis of Brownfield Cleanup Alternatives (ABCA) Update on behalf of the Town of Hillsborough (the Town) for the Associated Electric Company, Inc. (Associated Electric) property located at 171 West Main Street in Hillsborough, New Hampshire (the Site), which is assigned New Hampshire Department of Environmental Services (NHDES) Site No. 199203033. This ABCA Update and Sanborn Head's related services are subject to the Limitations provided in Appendix A. A Site Locus Plan is provided as Figure 1. A Key Observations Plan is provided as Figure 2.

1.1 ABCA Objective

Sanborn Head prepared this Update to the February 2025 ABCA Report prepared by Sanborn Head to include the findings of the July 2025 Supplemental Assessment completed by Sanborn Head. The July 2025 Supplemental Assessment was completed to evaluate potential source areas in shallow unsaturated soils at the Site. This ABCA Update has also been prepared to support a United States Environmental Protection Agency (USEPA) Brownfields Cleanup Grant Application. The ABCA Update provides an updated analysis of environmental conditions and contamination issues at the Site, and identifies the need for and objectives of response actions. An Exploration Location Plan, which includes completed explorations from the July 2025 Supplemental Assessment, is provided as Figure 3.

1.2 Site Background and History

The Site consists of an approximately 9.5-acre parcel improved with three buildings. The Site historically operated as Hillsboro Laundry beginning in the 1920s, with laundry operations expanding to include dry cleaning in the early 1970s. Laundry and dry cleaning operations are believed to have continued until approximately 1985, when Associated Electric took over occupation of the Site. Associated Electric's operations consisted of servicing industrial and mechanical equipment. In 1996, Rosewald Industries, LLC (Rosewald) purchased the property and continued the services of Associated Electric until approximately 2002. Although operations ceased in 2002, the buildings continued to be used for storage of a variety of items including machinery and parts from former operations. The property was acquired by the Town of Hillsborough for back taxes in June 2022. The property is not currently being used by the Town other than for storage of municipal vehicles; however, the items left there by Rosewald, including machinery and parts from former operations are present in the buildings and property exterior.

It is our understanding that the Town received a grant from InvestNH to remove the three on-Site buildings and is anticipating completing the demolition in the Fall of 2025.

1.3 Summary of Previous Environmental Investigations

Numerous environmental studies and investigations have been performed at the Site by different organizations, including Sanborn Head. Previous investigations that were reviewed and considered as part of this ABCA Update are summarized below.



1.3.1 **Underground Storage Tank (UST) Removal (October 1996)**¹

This report documents the removal of an 8,800-gallon No. 2 heating oil UST on August 28, 1996 by Associated Electric personnel. The UST appeared to be in relatively good condition without visible pitting or holes in the metal. One soil sample and one groundwater sample were collected from the excavation area. The following analytical results indicated the presence of low-level petroleum impacts in the footprint of the former UST:

- A total petroleum hydrocarbon (TPH) concentration of 48 milligrams per kilogram (mg/kg) was detected in the soil sample. The TPH concentration was well below the applicable NH Soil Remediation Standard (SRS)² of 10,000 mg/kg.
- A naphthalene concentration of 28 micrograms per liter (µg/L) was detected in the groundwater sample. The detected concentration was slightly above the applicable Ambient Groundwater Quality Standard (AGQS)³ of 20 µg/L.

No other petroleum constituents were detected in soil or groundwater, and visual and olfactory observations did not indicate significant petroleum presence.

However, the analytical results *did* indicate the presence of chlorinated volatile organic compound (CVOC) impacts with tetrachloroethene (PCE) and trichloroethene (TCE) detected in the groundwater sample at concentrations of 126,000 µg/L and 2,000 µg/L, respectively, well above the AGQS of 5 µg/L applicable to both compounds. Soils encountered in the vicinity of the water table in the UST excavation area exhibited a reported solvent odor and a sheen was observed on the water table.

No response actions were taken at the time of the UST removal.

1.3.2 **Phase I File Reviews and Data Collection (August 2000)**⁴

A Phase I File Reviews and Data Collection Report prepared for the Site in 2000 outlines the property's history including ownership and historical use, and provides a review of state and federal environmental records. No Recognized Environmental Concerns (RECs) were formally identified as part of this report; however, several items of note were identified including the removal of the on-Site UST in 1996 (see Section 1.3.1 above), the presence of the Osram Sylvania Products (OSP) facility located at 275 West Main Street, approximately 0.4 mile west of the Site, and the presence of the Hillsborough Municipal Landfill within 0.1 miles to the north/northwest of the Site. The OSP facility was identified as a source of a groundwater

¹ "Underground Storage Tank Removal, Associated Electric Company, Inc., 48 West Main Street, Hillsborough, NH", prepared by Geolnsight, Inc., dated October 18, 1996.

² "NHDES Soil Standards" "S-1", "S-2", and "S-3" refer to the Method 1 S-1, S-2, and S-3 Soil Standards established under the "Contaminated Sites Risk Characterization and Management Policy" (RCMP) (January 1998, with 2000 through 2018 revisions/addenda). The S-1 Soil Standards are typically equivalent to the Soil Remediation Standards (SRSs) promulgated in Env-Or 600 (June 2015). For analytes where the S-1 and SRS differ, the values presented reflect the S-1 standards in the latest RCMP update.

³ GW-1 Groundwater Standards are intended to be equivalent to the Ambient Groundwater Quality Standards (AGQSs) promulgated in Env-Or 600 (June 2015 with October 2016, September 2018, September 2019, and May 2020 amendments). The AGQS/GW-1 Groundwater Standards are intended to be protective of groundwater as a source of drinking water.

⁴ "Phase I File Reviews and Data Collection, 171 West Main Street, Hillsboro, New Hampshire", prepared by GeoServe, Inc., dated August 7, 2000.

release of CVOCs (primarily TCE), but investigation completed for OSP concluded that the Associated Electric Site was located cross-gradient and was not anticipated to be impacted by the groundwater plume from the OSP facility. Conversely, the report concluded that the Hillsborough Municipal Landfill has the potential to negatively impact groundwater migrating onto the Site due to a generally south/southeasterly groundwater flow from the landfill and known CVOC and petroleum impacts at the Landfill.

1.3.3 Site Investigation Report (January 2002)⁵

A subsequent Site Investigation Report summarizes the results from a soil and groundwater sampling program completed at the Site in 2000 and 2001. The scope of work included the installation of three shallow monitoring wells and collection of soil and groundwater samples from the borings. Soil samples were collected from depths of five to seven feet below ground surface (ft bgs) and below the water table at two boring locations (B-1 and B-2) and indicated concentrations of CVOCs at levels significantly above the S-2 SRS for exposures to outdoor workers and passive recreators. PCE and TCE were detected at concentrations of up to 50,000 mg/kg and 130 mg/kg, respectively, in soil⁶. Groundwater samples were collected from the three monitoring wells (MW-1, MW-2, and MW-3) which were generally screened between 2 and 10 ft bgs and indicated exceedances of the Method 1 GW-1 and GW-2 standards⁷ for PCE and TCE at the two downgradient locations (MW-1 and MW-2). PCE and TCE were detected in groundwater downgradient of the Site at concentrations of up to 16,000 ug/L and 1,600 ug/L, respectively. Low levels of PCE were also detected in groundwater assumed to be upgradient of the Site (MW-3), but at concentrations below both the applicable Method 1 GW-1 and GW-2 standards.

The report concludes that chlorinated solvents appeared to have been released at the Site, with the anticipated source being PCE used at the Site during the period of operation of the Hillsboro Laundry. Recommendations for further action included a floor drain investigation, a soil gas survey, and additional soil and groundwater analyses to help define the extent of contamination and the potential for off-Site contaminant migration. The development of a remedial action plan (RAP) was also recommended.

1.3.4 Supplemental Site Investigation Report (December 2009)⁸

A 2009 letter report summarizes supplemental site investigation activities completed at the Site in 2004 and 2009. In 2004, GeoInsight, Inc. (GeoInsight) conducted a soil vapor sampling survey and collected additional groundwater samples from monitoring wells MW-1, MW-2, and MW-3.

⁵ "Site Investigation Report, Associated Electric, 171 West Main Street, Hillsboro, New Hampshire 03244", prepared by GeoServe, Inc., dated January 28, 2002.

⁶ Although not specified in the report, Sanborn Head notes that the soil samples were saturated and could be influenced by groundwater concentrations.

⁷ "GW-1" and "GW-2" Groundwater Standards are from the New Hampshire Department of Environmental Services (NHDES) Contaminated Sites Risk Characterization and Management Policy (RCMP) (January 1998, with 2000 through 2018 revisions/addenda). GW-1 Groundwater Standards are intended to be equivalent to the Ambient Groundwater Quality Standards (AGQSs) promulgated in Env-Or 600 (June 2015 with October 2016, September 2018, September 2019, May 2020, January 2021, and July 2021 amendments). The GW-2 Groundwater Standards apply to groundwater as a potential source of indoor air contamination.

⁸ "Supplemental Site Investigation Report, Former Associated Electric Facility, 171 West Main Street, Hillsborough, New Hampshire", prepared by GeoInsight, Inc., dated December 14, 2009.

In 2009, GeoInsight observed the installation of two additional on-Site monitoring wells (MW-2D and MW-4) and two off-Site monitoring wells (MW-5 and MW-6) on the abutting property located to the south of the Site. One soil boring (B-7) was advanced on the eastern side of Building #1. Soil samples were collected below the water table at MW-4 (6 to 8 ft bgs) and MW-6 (6 to 8 ft bgs), and just above the water table at MW-5 (4 to 6 ft bgs). The concentrations of VOCs in the soil samples collected as part of this the 2009 investigation were either below respective SRS or non-detect.

Data collected from 2002 through 2009 were used to develop a conceptual hydrogeologic model of the contaminant source area and distribution at the Site. According to the report, data indicate that the original source area was in the vicinity of the southern portion of Building #1, and the dissolved VOC plume had migrated off-Site in a southern direction. Despite the downward gradient observed at the MW-2 location, sampling results indicate that concentrations in the deeper well installed in clayey silt and till (MW-2D) were generally one to two orders of magnitude lower than in the shallower well (MW-2).

GeoInsight also conducted a preliminary indoor air screening evaluation which resulted in the identification of six buildings which were likely located within 100 feet of groundwater with concentrations of CVOCs exceeding the applicable GW-2 guidelines.

GeoInsight Figures 2 through 6 from this report are included in Appendix B for reference, and include:

- Site Plan;
- 2004 Soil and Vapor Point and Field GC Results;
- Area Site Plan;
- Ground Water Contour Plan June 4, 2009; and
- PCE Isocontour Plan June 4, 2009.

An apparent drain line extending southeast from a below ground holding tank towards a former excavation area (was noted on Figures 2 through 6). The excavation area was labeled as being completed to repair a drain line. No additional information has been identified regarding the excavation or the drain line that extends through this area. Both the drain line and former excavation area are included on the Key Observations Plan (Figure 2).

Recommendations of this report include: soil vapor and indoor air sampling for the six buildings identified by the indoor air screening evaluation; installation of an upgradient monitoring well to assess upgradient sources of impact to the Site, including the Hillsboro Landfill; installation of two additional monitoring wells to the south of the Site and two drive-point piezometers on the shoreline of the Contoocook River to define the downgradient extent of the plume; a comprehensive groundwater sampling event subsequent to the installation of new monitoring wells; and the preparation of a Groundwater Management Permit (GMP) application.



1.3.5 Supplemental Site Investigation and Soil Vapor Sampling Report (December 2010)⁹

An additional letter report prepared by GeoInsight in 2010 summarizes the supplemental Site investigation activities and soil vapor sampling completed in 2010. In 2010, GeoInsight observed the installation of two downgradient monitoring wells adjacent to the Contoocook River (MW-8 and MW-9) and two monitoring wells upgradient of the suspected source area (MW-7 and MW-10). Additionally, soil vapor probes were installed adjacent to the buildings located at 158 West Main Street. GeoInsight also conducted surficial soil sampling at the Site to assess the presence of polychlorinated biphenyls (PCBs) where electrical transformers were historically staged. No soil sampling for VOC analysis was conducted as part of this investigation.

The findings of the supplemental Site investigation indicated that CVOCs may be discharging to the Contoocook River based on concentrations detected in MW-9; however, GeoInsight concluded that concentrations observed in MW-9 were significantly less than applicable NHDES Surface Water Quality Criteria (SWQC).¹⁰ PCE and TCE were detected in soil vapor samples collected adjacent to the off-Site buildings located at 158 and 172 West Main Street. Detected concentrations exceeded the respective NHDES Commercial Soil Gas Screening Levels (CSGSLs) of 100 and 310 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$),¹¹ for PCE and TCE respectively, indicating a potential for CVOC-impacted soil vapor to enter the buildings adjacent to the vapor probe locations.

PCBs were not detected at concentrations above the laboratory reporting limit in any of the three composite surficial soil samples collected at the Site.

GeoInsight Figures 2, 5 and 6 from this report are included in Appendix B for reference, and include:

- Site Plan;
- Ground Water Contour Plan October 28, 2010; and
- PCE Isocontour Plan June 4, 2009 and October 28, 2010.

The report recommended further air sampling, the preparation of a GMP, and the evaluation of remedial alternatives in the form of a RAP.

⁹ "Supplemental Site Investigation and Soil Vapor Sampling Report, Former Associated Electric Facility, 171 West Main Street, Hillsborough, New Hampshire", prepared by GeoInsight, Inc., dated December 20, 2010.

¹⁰ Although the concentrations of CVOCs detected in MW-9 did not exceed the SWQC established for Aquatic Life, they do exceed the SWQC established for Human Health, both for Water & Fish, and Fish Only. The SWQC were updated in 2016; however, the SWQC for CVOCs detected in MW-9 did not change.

¹¹ NHDES Vapor Intrusion Screening Levels, "Residential Soil Gas", "Commercial Soil Gas", "Residential Indoor Air" and "Commercial Indoor Air" values are vapor intrusion screening levels for concentrations in air as presented in the NHDES "Vapor Intrusion Guidance," dated July 2006 (with February 2007, June 2009, July 2011, and February 2013 revisions/updates).



1.3.6 NHDES response letter to the Supplemental Site Investigation and Soil Vapor Sampling Report (February 2011)¹²

Correspondence dated February 2011 summarizes NHDES' comments on the Supplemental Site Investigation and Soil Vapor Sampling report prepared by GeolInsight, and NHDES' recommendations for additional work.

NHDES' recommendations and requirements include:

- Completing indoor air sampling at the two commercial structures located at the property across the street;
- Applying for a GMP to address violations of the AGQS observed at the Site;
- Performing additional assessment to delineate the extent of the groundwater plume, specifically the extent to the southeast;
- Collecting soil samples for PCB analysis in the vicinity of the former waste oil aboveground storage tank (AST) that contained PCBs, located northwest of the Building #1 addition; and
- Developing a RAP to mitigate the source area located in the vicinity of MW-1.

1.3.7 Indoor Air Sampling and Off-Site Well Installation and Sampling (February 2012)¹³

This 2012 GeolInsight report presents the results of indoor air sampling conducted at four structures to the south of the Site, PCB sampling conducted in the vicinity of the waste oil AST, and groundwater monitoring conducted in January 2012. The report also summarizes efforts to define the limits of a proposed Groundwater Management Zone (GMZ).

Indoor air samples were collected at six locations resulting in the following recommendations by GeolInsight:

- 172 West Main Street (Wyman's Auto Showroom – *monitor or mitigate*);
- 172 West Main Street (Former Auto Body Shop – *no action or monitor*);
- 158 West Main Street (commercial first floor – *monitor or mitigate*);
- 158 West Main Street (commercial basement – *mitigate*);
- 152 West Main Street (residential first floor – *no action or monitor*); and
- 152 West Main Street (residential basement – *monitor or mitigate*).

A composite soil sample was collected for PCB analysis at the location of the waste oil AST at the northwest corner of Building #1. Arochlor-1262 was detected at a concentration below the NHDES SRS for total PCBs. The report concluded that the results of surficial PCB soil sampling conducted in 2010 and 2012 indicated that further investigation of PCB impacts was not warranted.

¹² "Hillsborough – 171 West Main Street Property, Former Associated Electric Facility, DES Site #199203033, Project #6645" NHDES response letter to the Supplemental Site Investigation and Soil Vapor Sampling Report, dated February 3, 2011.

¹³ "Indoor Air Sampling and Off-Site Well Installation and Sampling, Former Associated Electric Facility, 171 West Main Street, Hillsborough, New Hampshire", prepared by GeolInsight, Inc., dated February 16, 2012.



Based on the January 2012 groundwater analysis data, GeolInsight recommended that the GMZ include the Site (171 West Main Street) along with the properties at 172, 158, and 152 West Main Street.

1.3.8 NHDES “Revised Groundwater Management Permit Number GWP-199203033-H-001” (issued July 2013 and revised in August 2013)¹⁴

The NHDES issued GMP GWP-199203033-H-001 for the Site in July 2013, and subsequently revised in August 2013. The revised GMP required annual groundwater sampling at on-Site and off-Site locations, annual surface water sampling of the Contoocook River downgradient of the Site, and indoor air sampling at three off-Site buildings.

1.3.9 2014 Annual Summary Report (December 2014)¹⁵

The 2014 Annual Summary Report summarizes the results of the October 2014 monitoring event which included groundwater sampling from monitoring wells MW-1, MW-2, MW-2D, MW-4, MW-5, MW-8, MW-9, and MW-11 and surface water sampling at SW-1 in the Contoocook River. Results indicate that PCE and its breakdown constituents (TCE, cis-1,2-dichloroethene, and vinyl chloride) are the primary contaminants of concern. In addition, 1,4-dioxane was detected at a concentration of 61.5 µg/L, which exceeds the AGQS of 0.32 µg/L, in monitoring well MW-2D.

The distribution indicates that the source of PCE is in the vicinity of the southern end of Building #1. Generally decreasing concentrations of PCE were observed toward the south/southeast of the Site in the direction of groundwater flow, and the report states that it does not appear that contamination has reached the Contoocook River based on a surface water sample collected downgradient of MW-9.

1.3.10 Winter 2014-2015 Indoor Air Testing (May 2015)¹⁶

A May 2015 report prepared by GeolInsight summarizes indoor air sampling conducted at three off-Site, downgradient locations (two commercial buildings and one residence). Because basement sampling was not conducted during the 2015 monitoring event (in the basement of 158 West Main Street), results from 2012 were referenced for basement concentrations. The report summarized the results as follows:

- At the residential location (152 West Main Street) and one commercial location (172 West Main Street), no CVOC concentrations exceeded their respective NHDES Residential and Commercial Indoor Air Screening Levels (IASLs).
- At the second commercial location (158 West Main Street), detections of PCE (113 µg/m³) and TCE (5.97 µg/m³) on the first floor of the building exceeded the NHDES Commercial IASLs of 35 µg/m³ and 1.8 µg/m³, respectively. During the 2012 monitoring event,

¹⁴ “Revised Groundwater Management Permit Number GWP-199203033-H-001”, prepared by NHDES., dated August 15, 2013.

¹⁵ “2014 Annual Summary Report, Former Associated Electric Facility, 171 West Main Street, Hillsborough, New Hampshire”, prepared by GeolInsight, Inc., dated December 22, 2014.

¹⁶ “Winter 2014-2015 Indoor Air Testing, Former Associated Electric Facility, 171 West Main Street, Hillsborough, New Hampshire”, prepared by GeolInsight, Inc., dated May 14, 2015.

detections of PCE (283 µg/m³) and TCE (17.8 µg/m³) in the basement exceeded the NHDES Commercial IASLs, while detections on the first floor of the building did not.

- Subsequent risk assessment resulted in a condition of no significant risk to persons residing at 152 West Main Street and workers at 172 West Main Street, while a condition of no significant risk could not be concluded for workers at 158 West Main Street.

In a June 30, 2015 response letter, NHDES indicated that based on a review by the Department's Environmental Health Program, revised calculations indicate that there is not a significant risk to workers at 158 West Main St first floor. However, NHDES recommended a pro-active approach to reduce concentrations of TCE in the basement of 158 West Main St.

1.3.11 Notice of Non-Compliance (March 2018)¹⁷

In this correspondence, NHDES states that it has not received results for the September 2015, 2016, or 2017 sampling events, or the associated Periodic Summary Reports.

1.3.12 Phase I Environmental Site Assessment (ESA, March 2020)¹⁸

In March 2020, Sanborn Head performed a Phase I ESA On behalf of the Central New Hampshire Regional Planning Commission (CNHRPC). Sanborn Head identified three RECs associated with the Site including:

- The storage of drums and containers of various petroleum products and unknown chemicals at the Site;
- On- and off-Site environmental impacts related to historical operations and associated wastewater discharges; and
- The potential for off-Site migration of CVOC-impacted water through the sanitary sewer and storm sewer systems.

1.3.13 Data Gap Assessment (May 2020)¹⁹

Sanborn Head also prepared a Data Gap Assessment Memorandum which was submitted to NHDES on May 26, 2020. The purpose of the memorandum was to summarize additional data and information identified during the review of previous assessments completed at the Site and during Sanborn Head's Phase I ESA and to identify data gaps that should be addressed in order to support the future completion of an ABCA and/or RAP.

¹⁷ "Notice of Non-Compliance" for Former Associated Electric Co., West Main Street, communication from NHDES, dated March 9, 2018.

¹⁸ "Phase I Environmental Site Assessment, Associated Electric, 171 West Main Street, Hillsborough, New Hampshire", prepared by Sanborn, Head, and Associates, Inc., dated March 18, 2020.

¹⁹ "Draft Associated Electric Data Gap Assessment, 171 West Main Street, Hillsborough, New Hampshire", prepared by Sanborn, Head, and Associates, Inc., dated May 26, 2020.



Data gaps identified as part of this assessment included:

- The potential for on-Site vapor intrusion given that PCE and other CVOCs were detected at concentrations exceeding the NHDES GW-2 standards²⁰ in groundwater collected from wells adjacent to Building #1.
- The potential for vapor intrusion at downgradient properties due to CVOC-impacted groundwater migrating off-Site. Concentrations of PCE and TCE detected in the most recent indoor air sampling round completed in March 2015, exceeded the NHDES's Commercial IASLs on the first floor of a commercial property located at 158 West Main Street.
- The unknown condition of existing and historical floor drains, uncertainty of floor drain discharge points, and the potential presence of an below ground holding tank and dry-well that were reportedly associated with historical operations as a dry-cleaning facility.
- The presence of three catch basins on the property with unknown discharge points and the potential for contamination from the Site to be discharged to the Contoocook River.
- The presence of a below-grade, reportedly 6-foot-deep, turbine pit located in the center of Building #1 which could not be accessed during the Phase I ESA. The contents and condition of the pit, including whether it is lined, are currently unknown.
- The potential that the vertical and downgradient horizontal extent of the CVOC plume may not be adequately defined.
- Lack of compliance with the GMP associated with missed annual groundwater and surface water sampling beginning in September 2015 and annual indoor air sampling at the three downgradient properties beginning in December 2015.
- The presence of several areas of chemical storage containing unlabeled containers observed in each of the three on-Site buildings.
- The location of the Site adjacent to and potentially downgradient of the closed Hillsborough Municipal Landfill (currently operating as a transfer station). The most recent, November 2018, Annual Water Quality Summary Report prepared for the landfill indicated that several contaminants of concern (COCs), including per- and polyfluoroalkyl substances (PFAS), benzene, 1,4-dioxane, and arsenic, were detected at concentrations exceeding AGQS in downgradient wells.
- Former Site operations included the storage of transformers and handling of PCB-containing transformer oils. Limited PCB data is available for the Site and it is unclear how handling of PCB-containing oils was historically conducted.
- The potential presence of PFAS in on-Site soil and groundwater associated with dry-cleaning operations.

1.3.14 Limited Phase II ESA Data Transmittal and Site-Specific Indoor Air Risk Assessment (September 2023)²¹

Sanborn Head performed a Limited Phase II ESA in May 2023 to assess the RECs and data gaps identified in the March 2020 Phase I ESA and the May 2020 data gap assessment. Specifically, Sanborn Head's Limited Phase II ESA included redevelopment and sampling of existing

²⁰ NHDES GW-2 standards are intended to be protective of risks from vapor intrusion.

²¹ "Limited Phase II ESA Data Transmittal and Site-Specific Indoor Air Risk Assessment, Associated Electric, 171 West Main Street, Hillsborough, New Hampshire", prepared by Sanborn, Head, and Associates, Inc., dated September 15, 2023.



groundwater monitoring wells, stormwater sampling, surface water sampling, off-Site indoor air sampling, and on-Site subslab vapor screening. Sampling locations are provided on Figure 3. The Limited Phase II ESA also included a GPR survey to evaluate for the potential presence of an below ground holding tank and a dry-well.

The findings from Sanborn Head's Limited Phase II ESA Data Transmittal indicated concentrations of VOCs, PAHs, metals and PFAS in groundwater which exceed AQGS. Consistent with historical investigation results, the highest VOC concentrations were detected at MW-1, with impacts extending generally to the south/southeast, in the presumed flow direction of overburden groundwater. AQGS exceedances also includes four PAHs, two metals (arsenic and barium) and two PFAS. VOCs were not detected above the laboratory reporting limits in the surface water sample collected from the Contoocook River, nor in either of the stormwater samples collected from catch basins CB-1 and CB-3.

Based on the findings from the GPR survey, the dry-well appears to be located approximately 3 feet below ground surface south of Building #1. An anomaly was also observed in the reported location of the below ground holding tank, extending beneath and adjacent to the footprint of Building #1. Observations made during the GPR survey also identified a steel standpipe/vent line in the same general area east of Building #1, attached to the building, as well as a metallic lid at the ground surface east of Building #1.

Subslab vapor screening beneath the Site buildings indicated concentrations of PCE and TCE in some locations exceeding both the NHDES Residential ($400 \mu\text{g}/\text{m}^3$) and Commercial ($1,800 \mu\text{g}/\text{m}^3$) Soil Gas Screening Levels for PCE. Sub-slab sampling locations in Building Nos. 1, 2, and 3 and laboratory analytical data exceeding Soil Gas Screening Levels are provided on the Contaminant Distribution Plan (Figure 4). Off-Site indoor air sampling also indicated one or more concentrations of PCE and TCE exceeding both the Residential ($0.4 \mu\text{g}/\text{m}^3$) and the Commercial ($1.8 \mu\text{g}/\text{m}^3$) IASLs.

Sanborn Head conducted a screening-level Site-specific risk assessment to evaluate potential health risks associated with the CVOCs detected in the indoor air sample collected from the first floor of the 158 W. Main Street property (IA-1 (1st)). Results of the screening-level risk calculations indicate estimated risk values below the target criteria; however, it was recommended that additional indoor air data be collected to better characterize exposure point concentrations.

1.3.15 USEPA Removal – Preliminary Assessment/Site Investigation (May 2024)

In February 2024, a preliminary assessment and site investigation (PA/SI) was performed by the USEPA Removal Program mobilizing USEPA's Superfund Technical Assessment & Response Team (START) contractor Weston Solutions, Inc. (Weston). Activities completed by Weston as part of the PA/SI include collection of 15 soil gas samples for VOCs around the southern and eastern sides of Building #1 and sampling the contents of 10 drums between Building #'s 1, 2, and 3 for VOCs, semi-volatile organic compounds (SVOCs), PCBs, and metals. PCE was detected in all but one soil gas sampling location, with multiple locations having PCE and/or TCE concentrations above the EPA Commercial Target Sub-slab Soil Gas Concentration Vapor



Intrusion Screening Levels (VISLs).²² The concentrations of PCE also exceeded the NHDES Commercial Soil Gas Screening Levels at each location and TCE exceeded the NHDES Commercial Soil Gas Screening Level in one sample collected from the southeast exterior of Building #1. Product material within the drums comprised of a mixture of VOCs, SVOCs, metals, and PCBs. Soil gas sampling locations and analytical results compared to the NHDES Soil Gas Screening Levels are included on Figure 4.

1.3.16 Building Survey Findings – RPF Environmental (March 2025)

In February 2025, RPF Environmental (RPF) conducted a hazardous building material (HBM) survey of the three on-site buildings to support the demolition as part of the Town’s InvestNH grant. The findings of the HBM survey identified asbestos-containing materials (ACM) throughout Buildings #1 and #3 including in window glaze, door frame caulking, portions of the oven in Building 1 (breaching and door gasket) and transite panels. PCBs were also identified in window glaze in Building 1 on an interior portion of the window with the potential for extrusion into the exterior pane voids. The HBM survey also summarized various universal wastes identified throughout each of the buildings.

1.3.17 USEPA Removal – After Action Report (May 2025)

Following submittal of the May 2024 PA/SI, USEPA initiated a removal action based its sampling results. Remedial activities were performed by the USEPA Removal Program between August 2024 and January 2025 as summarized in the May 2025 “Removal Program After Action Report” prepared by Weston. Remedial activities performed by the USEPA Removal Program involved mobilizing USEPA’s START contractor (Weston) and USEPA’s Emergency and Rapid Response Services (ERRS) contractor, Environmental Restoration, LLC (ER), to the site to characterize and dispose of 74 metal drums, cylinders, and fiber/plastic drums identified from previous investigations.

1.3.18 Supplemental Assessment (July – August 2025)

On July 21 and 22, and August 6, 2025, Sanborn Head completed a supplemental assessment to evaluate select data gaps identified in the February 2025 ABCA report. The data gaps identified include the extent and location of the source of CVOC impacts in shallow unsaturated soils and potential surficial soil impacts from PCB building materials identified during the February 2025 HBM survey. Soil boring locations were selected based on the suspected sources beneath the Building #1 slab, the below ground holding tank to the east of Building #1, the dry-well area along the southern edge of Building #1, and the exterior window glazing on Building #1 that contains PCBs. Additionally, soil boring locations were also based on subslab soil vapor sampling results collected during the Limited Phase II Assessment conducted by Sanborn Head in May 2023 and by Weston as part of the USEPA Removals Program conducted in February 2024. The scope of the 2025 Supplemental Assessment included the installation of one upgradient monitoring well (SH-MW-3R) and the advancement of 16 shallow soil borings.

²² EPA VISLs are risk-based screening calculations that are used to identify if soil gas concentrations of a particular compound warrant further investigation: <https://www.epa.gov/vaporintrusion/vapor-intrusion-screening-level-calculator>.

Soil samples were collected on July 21 and 22, 2025 from borings SH-01 through SH-14 (including offset SH-01A). A GeoProbe® drill rig or handheld GeoProbe® was used to advance the borings to the approximate depth of the water table (anticipated to be approximately 5 ft bgs). Presumed groundwater was encountered at depths ranging from approximately 1.7 to 5 ft bgs. Soil samples were collected for VOC analysis based on the highest photoionization detector (PID) reading observed from the vadose zone (i.e. above the groundwater table) and olfactory and visual observations. A hand auger was used to collect a soil sample from SH-SS-01 which was advanced to 1.5 ft bgs.

Monitoring well SH-MW-3R (a replacement for destroyed monitoring well MW-03) was installed on July 22, 2025, with groundwater encountered at 5 ft bgs. Following monitoring well installation, the well was developed by purging three times the well volume using a peristaltic pump. Existing monitoring wells MW-1, MW-2, and OW-1 were also developed using a peristaltic pump. Groundwater samples were collected from newly installed monitoring well SH-MW-3R and existing on-site monitoring wells MW-1, MW-2, and OW-1 on August 6, 2025, following an at least two-week stabilization period. Samples were collected by purging three times the well volume and then purging directly into laboratory provided containers. Both the soil and groundwater samples were submitted to Westborough, Massachusetts (Pace) following standard chain of custody procedures.

Soil boring, monitoring well, and hand auger locations completed as part of the July 2025 Supplemental Assessment are provided on Figure 3. A contamination distribution plan is provided on Figure 4. The July 2025 Supplemental Assessment laboratory reports are provided in Appendix C. Summaries of water levels, groundwater, and soil analytical data collected as part of Sanborn Head's July 2025 Supplemental Assessment are provided in Appendix D as Tables D.1, D.2, and D.3, respectively (data collected as part of Sanborn Head's 2023 Limited Phase II ESA are also presented in these tables). Soil boring and monitoring well logs (which also include PID screening results), the monitoring well development form, and the groundwater quality field sampling summary from the July 2025 Supplemental Assessment are provided in Appendix E.

The following provides a summary of the 2025 Supplemental Assessment.

1.3.18.1 Dry-Well Area

Soil samples were collected from three borings (SH-01, SH-02, and SH-03) advanced in the vicinity of the dry well area that was reportedly associated with historical operations as a dry-cleaning facility. Based on elevated PID results observed in soils from SH-01, an additional boring (SH-01A) was advanced approximately 6' south-southwest from SH-01. PID measurements from borings advanced near the dry well ranged from 22.2 to 75.1 parts per million (ppm).

PCE was detected at concentrations exceeding the SRS ranging from 8,400 µg/kg and 16,000 µg/kg in the samples collected from SH-01, the duplicate sample, and SH-01A, which are located south-southeast of the dry-well area. Additionally, TCE was detected above the reporting limit but below its SRS in the samples collected from SH-01, the duplicate sample, and



SH-01A. PCE did not exceed the SRS in the soil samples collected east/southeast of the dry well (SH-02 and SH-03).

1.3.18.2 Area Downgradient of Below Ground Holding Tank and Historical Drainage Pipe

Three borings were advanced in the immediate vicinity of the former below ground holding tank (SH-07, SH-08, and SH-12) and three borings (SH-04, SH-05, and SH-06) were located further downgradient along a historical drainage line identified in GeolInsight's December 2009 Supplemental Site Investigation Report. PID measurements collected from the borings ranged from 13.8 to 132.3 ppm, with higher PID measurements observed in soils at SH-04.

Soil samples collected from the borings adjacent to the below ground holding tank were either non-detect for VOCs (SH-08), or significantly below the SRS.

Soil samples collected from the borings further downgradient along a historical drainage line exhibited higher concentrations of VOCs. PCE concentrations were detected above its SRS from SH-04 (0.8 to 1.2 ft bgs – 40,000 µg/kg) and SH-06 (4,100 µg/kg), with PCE concentrations at SH-05 (210,000 µg/kg) being 2 orders of magnitude higher than the SRS. Based on PID measurements observed in the field at SH-04, a deeper sample (1.2 to 2.2 ft bgs) was also collected, but the PCE concentration was significantly below the SRS (detected at 4.4 µg/kg) and TCE was not detected. TCE was also detected above its SRS of 800 µg/kg at both the shallow sample collected from SH-04 and SH-05 at concentrations of 3,900 and 12,000 µg/kg, respectively. In addition, cis-1,2-dichloroethene (cis-1,2-DCE) was detected above its SRS at SH-05.

1.3.18.3 Building #1 Sub-Slab Area

Six soil borings (SH-09 through SH-14) were advanced beneath the concrete slab in Building #1 where high CVOC concentrations in soil vapor samples have been previously identified, including SH-12 which had been advanced in the vicinity of the below grade holding tank as discussed above.

PID measurements ranged from 3.4 to 53.4 ppm, with the highest PID measurement observed at SH-11. PID readings at the other borings within Building #1 were generally much lower than the 53.4 ppm measurement observed at SH-11.

Select VOCs (e.g., PCE, TCE, cis-1,2-DCE, and chlorobenzene) were detected just above laboratory reporting limits in the soil samples collected in this area, but the concentrations were far below their respective SRS.

1.3.18.4 Building #1 PCB-Containing Exterior Window Area

One boring was advanced using a hand auger adjacent to the Building #1 exterior window where PCB-containing glazing material had been identified as part of the HBM Survey (SH-SS-01). The area below the window was paved with asphalt covered by dead vegetation, though there was a small "trench" of deteriorating asphalt with about 6 inches of dead vegetation from the surface to approximately 0.5 ft bgs where it transitioned to sand with varying amounts of silt and root and leaf fragments. Due to presence of dead vegetation and deteriorating asphalt

from 0 to 0.5 ft bgs, SH-SS-01 was collected from 0.5 to 1 ft bgs. PCBs were not detected above laboratory reporting limits.

1.3.18.5 Monitoring Well Installation and Groundwater Analytical Data

SH-MW-3R was installed as a standpipe well on July 22, 2025 and was completed to a depth of 13 ft bgs, with a well screen spanning the water table from 3 to 13 ft bgs. PID readings were lower than those observed with the rest of the borings and ranged from 1.8 to 2.7 ppm.

Well development was performed on existing monitoring well MW-2 on July 21, 2025, and the newly installed well and existing monitoring wells MW-1 and OW-1 on July 22, 2025.

Following a 2-week stabilization period, four groundwater samples were collected for VOC analysis from the wells (SH-MW-3R, MW-1, MW-2, and OW-1) on August 6, 2025. Depth to water measured at the newly installed well and existing wells was approximately 4 to 5 ft bgs. Similar to concentrations and pattern of VOCs detected during the September 2023 Limited Phase II ESA, PCE and TCE were both detected above their respective AGQS in MW-1, MW-2, and OW-1. In addition, cis-1,2-DCE was detected at a concentration exceeding its AGQS at MW-2 and OW-1, and vinyl chloride was detected at a concentration exceeding its AGQS at OW-1. No AGQS exceedances were observed in the groundwater sample collected from newly installed SH-MW-3R. An additional round of groundwater sampling consistent with the groundwater sampling performed in August 2025 is scheduled for November 2025.

1.4 Conceptual Site Model (CSM)

Soil at the Site generally consists of 1.5 to 10 feet of sand underlain by a clayey silt to silt and clay layer. As shown in the figures provided in Appendix B, groundwater at the Site flows southerly towards the Contoocook River and is generally shallow (measured at approximate 2 to 5 ft bgs in May 2023 and 4 to 5 ft bgs in August 2025). Based on historical investigations performed at the Site, COCs include CVOCs, 1,4-dioxane, arsenic, barium, PFAS, and PAHs. The observed contamination is likely a result of former Site uses; in particular, the use for dry cleaning in the 1970s and 1980s and for mechanical servicing in the 1990s. Although the Hillsborough Municipal Landfill is a potential off-site source of non-CVOC contaminants, as identified in Sanborn Head's 2020 Data Gap Assessment, this document focuses on cleanup alternatives addressing on-site CVOC contamination.

The primary COCs, and the focus of the remedial options considered herein, are CVOCs including PCE and TCE. Investigations conducted to date have identified elevated concentrations of CVOCs in shallow soil and groundwater primarily in the vicinity of Building #1, namely shallow soil near the dry-well area and south of the below grade holding tank (refer to figures in Appendix B and Figure 4), with a resulting groundwater plume migrating across West Main Street towards the Contoocook River. Based on the soil analytical results of the July 2025 Supplemental Assessment, the two source areas do not appear to extend beneath Building #1, and a release does not appear to have occurred directly adjacent to the holding tank, but further downgradient along the potential drain line identified in GeoInsight's December 2009 Supplemental Site Investigation Report. We note that limited data is available regarding the soil quality of the deeper, potentially confining, clayey silt to silt and clay layer underlying the



shallow sand unit at the site. The potential exists for elevated CVOC concentrations to exist within this unit.

The Site and Site vicinity are serviced by public water and sewer. One private bedrock supply well is located cross- to downgradient approximately 860 feet southeast of the Site (Well 116.0653 in NHDES OneStop). There were no water supply intake protection areas identified in the Site vicinity. Two wellhead protection areas are located approximately 900 ft southeast of the Site, but the associated wells are hydraulically separated from the Site by the Contoocook River. Based on this information, the primary exposure routes associated with CVOCs are direct contact during site redevelopment activities and exposure to indoor air via vapor intrusion into existing and future Site buildings.

Based on information obtained from NHDES' OneStop database the GMP expired in July 2018, and an application to renew the GMP has reportedly not been submitted.

1.5 Identified Cleanup Objectives

Although the future use of the Site has yet to be confirmed, the Town is planning to remediate the property using cleanup funding and hopes to redevelop the property as the Town's municipal complex. The Site is located in an ideal location just outside the downtown area of Hillsborough, between the current locations of the Fire Department and Police Department. The Site is located in an existing commercial district.

In order to redevelop the Site for future municipal use, it is our opinion that additional remedial activities are warranted. Known affected media at the Site include environmentally impacted soil, groundwater and slab vapor that may pose potential risks to human health, which would need to be mitigated prior to redevelopment. As discussed above, previous investigations performed at the Site have identified CVOCs in soil, groundwater, and slab vapor and soil gas at concentrations exceeding SRSs, AGQS and Soil Gas Screening Levels,²³ respectively. Indoor air samples collected in off-Site buildings have also indicated exceedances of the IASLs for PCE and TCE. Additional contaminants of concern at the Site include 1,4-dioxane, arsenic, barium, PFAS, and PAHs detected above AQGS in groundwater.

Because the Site and vicinity are serviced by public water, groundwater is not considered the predominant exposure pathway. Based on the 2025 Supplemental Assessment, shallow soil contamination was identified at the Site and direct exposure to source materials is considered an exposure pathway. Given that the site is mostly paved, it is not, however, considered the predominant exposure pathway, but will be taken into consideration as part of the remedial alternatives.

The primary exposure pathway with the potentially highest risk is considered to be vapor intrusion in current and future on-Site buildings. Note, as discussed in Section 1.3.11, risk assessment activities completed in 2023 indicated that estimated risk values associated with

²³ We note that Weston referenced the United States Environmental Protection Agency Vapor Intrusion Screening Levels (VISLs) as part of their May 2024 Preliminary Assessment/Site Inspection Report, however for the purposes of this ABCA, remedial objectives are being compared to NHDES Soil Gas Screening Levels.



CVOCs detected in the indoor air sample collected from the first floor of the 158 W. Main Street property were below the target criteria.

Remedial objectives are to remove the pathway of exposure to vapors in the on-Site buildings and/or future buildings constructed as part of potential Site redevelopment, address the potential for direct-contact of surficial soil contamination, and to mitigate potential future indoor air risks to downgradient properties by reducing contaminant mass migrating off-Site.

1.6 Regional Climate Change Concerns

As part of planning for remediation and redevelopment at the Site, Sanborn Head reviewed available information to evaluate potential climate change concerns that could have an impact on a proposed remedial alternative. According to the US Global Change Research Program (USGCRP), trends for the northeast region of the United States include increased precipitation and associated flooding.²⁴

Based on a review of the Federal Emergency Management Agency (FEMA) Flood Maps 330011C0132D and 330011C0131D for the Site and the adjacent area, the Site is not located within a flood plain. However, a 100-year floodplain zone associated with the Contocook River is located on the property adjacent to the south of the Site. A digital output of the relevant portions of the FEMA Flood Maps is provided in Appendix F. We also note that the former owner of the Site indicated during the 2020 Phase I ESA that Building #1 floods with 1 to 2 feet of standing water during significant storm events.

Although an increase in storm intensity as a result of climate change could expand the floodplain in the future, based on distance from the Site, and overall groundwater flow direction in the vicinity of the Site, flooding is not anticipated to have a major impact on proposed remedial alternatives for the Site. However, localized ponding and/or flooding observed in the vicinity of Building #1 may need to be considered as part of future redevelopment designs.

2.0 APPLICABLE REGULATIONS AND CLEANUP STANDARDS

For the purposes of this ABCA Update, soil, groundwater, soil gas and indoor air were compared to the following NHDES standards outlined in Env-Or 600:

- Groundwater: GW-1 and GW-2 Groundwater Standards. GW-1 Groundwater Standards are intended to be equivalent to the AGQS and are intended to be protective of groundwater as a drinking water source. The GW-2 Groundwater Standards apply to groundwater as a potential source of indoor air contamination.
- Soil: S-1, S-2, and S-3 Soil Standards established under NHDES Risk Characterization and Management Policy (RCMP). S-1 Soil Standards are typically equivalent to SRS and are intended to be protective of direct-contact risk associated with residential properties. S-2 Soil Standards are intended to be protective of passive recreational users and S-3 Soil Standards are intended to be protective of construction workers. In the following sections,

²⁴ <https://nca2023.globalchange.gov/chapter/21/>



reference to a soil exceedance is referring to an exceedance of the S-1 Soil Standard, unless otherwise noted.

- NHDES Vapor Intrusion Screening Levels, "Residential Soil Gas", "Commercial Soil Gas", "Residential Indoor Air" and "Commercial Indoor Air" values are vapor intrusion screening levels for concentrations in air as presented in the NHDES "Vapor Intrusion Guidance," dated July 2006 (with February 2007, June 2009, July 2011, and February 2013 revisions/updates).

Any future cleanup activities that are completed at the Site will be subject to these regulations with reporting submitted to the NHDES under NHDES Site No. 199203033 for review and approval.

3.0 EVALUATION OF CLEANUP ALTERNATIVES

This section presents an evaluation of remedial alternatives for the Site based on several factors, including: our current understanding of the Site conceptual model, our understanding for the potential future use of the Site, feasibility of implementation, and effectiveness of meeting the remedial objectives identified in Section 1.5.

Based on an assessment of these and other factors, the following remedial alternatives for the Site have been assembled for further evaluation:

- Alternative 1: No Action
- Alternative 2: Source Zone Mixing and Monitored Natural Attenuation
- Alternative 3: Permeable Reactive Barrier and Monitored Natural Attenuation
- Alternative 4: Source Zone Mixing, Permeable Reactive Barrier and Monitored Natural Attenuation

Each of these alternatives is described and evaluated below in terms of cost, effectiveness, and ease of implementation. For the purposes of evaluating potential remedial costs, preliminary opinions of likely cost were prepared for each alternative. It is anticipated that the preliminary opinion of cost will be refined for the chosen alternative as part of the RAP.

We note that these alternatives do not actively address off-Site impacts to groundwater and indoor air previously identified in downgradient properties. As discussed in Section 1.3.11, a Site-Specific Indoor Air Risk Assessment indicated that estimated risk values were below the target criteria. Renewal of the GMP (and therefore, continuation of groundwater monitoring and indoor air sampling) is considered sufficient to address existing off-Site impacts. However, Alternatives 2, 3 and 4 are anticipated to result in improvement of water quality downgradient over time, which would be expected to reduce the potential for risk to downgradient properties.

As discussed in Section 1.3, a substantial amount of analytical data has been generated at the Site by others. Sanborn Head relied upon the data generated during prior investigations to understand the contaminant distribution and prepare area and volume calculations. The results of prior field work were not verified by Sanborn Head by way of further investigations.



While Sanborn Head has reviewed that data and information as stated in this report, any of Sanborn Head's interpretations, conclusions, and recommendations that have relied on that information will be contingent on its validity. The data was generally obtained from the January 2002 Site Investigation Report prepared by Geoserve Inc., the December 14, 2009 Supplemental Site Investigation Report by Geolnsight, Inc., and the 2024 USEPA Removal Preliminary Assessment/Site Investigation Report by Weston.

Additionally, we note that data gaps still remain which impact Sanborn Head's ability to assess each alternative. A discussion of data gaps is included with each alternative, below.

3.1 Alternative 1: No Action

No remedial activities would be performed at the Site as part of the No Action alternative. This alternative would leave the CVOC-impacted soil and groundwater previously identified at the Site in-place. A perimeter fence with a locking gate would not be implemented as part of this alternative, and there would be no barrier to discourage access to the Site and limit potential impacted indoor air. Although the GMP expired in 2018 and has yet to be renewed, it is anticipated that annual groundwater monitoring and indoor air sampling in accordance with the GMP would still be required as part of this alternative. Hence, this alternative would include the preparation of a GMP renewal application for long-term groundwater monitoring and indoor air sampling.

3.1.1 Opinion of Cost

The No Action alternative would have no direct remedial costs associated with it, however the annual groundwater monitoring and indoor air sampling that is currently required by the NHDES under the existing (expired) GMP for the Site is estimated to cost approximately \$25,000 per year.²⁵ Submittal of an application for GMP renewal would also be required and is estimated to cost approximately \$15,000 every five years. GMP related monitoring and permit renewals are anticipated to be required for a minimum of 30 years for the No Action alternative.

3.1.2 Effectiveness

The No Action alternative would not be considered effective or reliable in addressing the risk of exposure to receptors to the impacted indoor air identified at the Site or the direct-contact exposure associated with shallow soil contamination. While natural attenuation has the potential to passively reduce contaminant mass migrating off-Site over time, Alternative 1 would not address the vapor intrusion pathway in the on-Site buildings, nor would it address the areas of the Site that are currently unpaved with shallow SRS exceedances. Selecting the No Action alternative would significantly limit, if not altogether eliminate, the potential for redevelopment. In addition, this alternative would not be effective in meeting the remedial objective to mitigate potential risks to human health associated with the COCs, and as such would not meet the criteria for a Certificate of No Further Action as outlined in NHDES's Env-Or 609.02.

²⁵ Annual GMP monitoring costs assume purge water does not require containerizing or disposal as hazardous waste.



3.1.3 Implementability

Other than limiting potential redevelopment opportunities, the No Action alternative is feasible and implementable since no additional actions would be conducted at the Site outside of the groundwater monitoring and indoor air sampling required by the (expired) GMP.

3.2 Alternative 2: Source Zone Mixing and Monitored Natural Attenuation

Alternative 2 would involve mixing a reagent into the source zone to chemically and/or biologically enhance contaminant degradation in the source area. The area on-Site with the highest concentrations of CVOCs (i.e., the source zone) is anticipated to include two separate source areas: the area south of Building #1 within the vicinity of the dry-well, and an area south and downgradient of the below ground holding tank along a historical drainage line (refer to Figure 5).

This alternative would include the preparation of a GMP renewal application for long-term groundwater monitoring and indoor air sampling. This long-term monitoring will allow for assessment of natural attenuation.

Alternative 2 would also include removal of the below ground holding tank, decommissioning of the presumed dry-well, decommissioning of the apparent drain line if found, removal and disposal of Building #1, 2, and 3's concrete slabs, paving of the presumed Site source areas following source mixing to prevent direct-contact with impacted soil, and implementation of an Activity and Use Restriction (AUR) with a requirement that a passive vapor system (at a minimum) be installed in any new building on the property.

Data gaps associated with this alternative include:

- Lack of data in the potentially confining layer (i.e. clayey silt to silt and clay) to evaluate whether significant contamination (e.g., dense non-aqueous phase liquid [DNAPL]) may be present;
- Groundwater microbial data;
- Groundwater geochemistry data (specifically the organic carbon partitioning coefficient);
- Hydraulic conductivity; and
- Groundwater travel time.

3.2.1 Opinion of Cost

The opinion of estimated capital costs for this alternative is approximately \$2,040,000, which includes: performing the source area mixing, additional site characterization including an evaluation for the potential presence of DNAPL, a pre-remedial design investigation to identify potential reagents to use for source area mixing, a contingency cost for remedial redesign in the event that DNAPL is encountered, submittal of an application for GMP renewal, and implementation of an AUR. An itemized cost estimate is provided in Table 1.

Additionally, the annual groundwater monitoring and indoor air sampling that is currently required by the NHDES under the existing (expired) GMP for the Site is estimated to cost approximately \$25,000 per year.



Assumptions used to develop this opinion of capital costs include:

- Total area of source mixing: 5,410 square feet;
- Depth of source mixing: 0 to 8 feet (assumes no treatment of the clayey silt to silt and clay unit);
- Amendment material: zero valent iron (ZVI)-impregnated activated carbon;
- Dosage: 4 grams per kilogram soil;
- Dewatering not required;
- Building #1, 2, and 3 slab material is handled and disposed of as general construction debris; and
- No soil or groundwater is disposed of off-Site.

3.2.2 Effectiveness

By reducing the concentrations of CVOCs in the source areas, Alternative 2 is considered effective and reliable in reducing the risk of exposure to receptors to the impacted indoor air identified at the Site, based on the limited data available for the Site. However, a subslab depressurization system (SSDS) may still be required to address residual impacts in any future new buildings established above the source areas. Additionally, with the treatment of the source areas on-Site, natural attenuation has the potential to passively reduce contaminant mass migrating off-Site over time. However, the potential presence of DNAPL in site soils would impact the overall effectiveness of source mixing. Although DNAPL has not been observed at the Site, the CVOC concentrations detected in groundwater suggest it may be present somewhere on-Site. Source mixing is not proposed to penetrate the clay unit so if DNAPL is present it could continue to contribute to groundwater impacts over time. Additional investigation is warranted prior to implementation to evaluate the potential for DNAPL in this unit and to evaluate whether modification of the alternative is required. As noted in the previous section, contingency costs for remedial redesign were included in the total cost for this Alternative in the event that DNAPL is present.

Alternative 2 includes the completion of additional sampling once the buildings have been demolished to identify what reagent would be the most effective at the Site and to evaluate the potential presence of DNAPL in (or immediately above) the deeper clay unit. Various reagents have proven effective for in-situ remediation of CVOCs. The shallow groundwater table and relatively permeable media are anticipated to contribute to the increased effectiveness of the source area mixing.

While Alternative 2 is anticipated to be effective in reducing source area concentrations over time (via source area mixing and natural attenuation), we note that it is not anticipated to be as effective in reducing concentrations in areas of the plume which have already migrated downgradient of the source area. Additionally, performance of the reagent may decrease over time.

3.2.3 Implementability

Alternative 2 would be moderately challenging to implement and would require an evaluation for the potential presence of DNAPL, a pre-remedial design investigation to identify potential



reagents to use for source area mixing, involvement of a remedial contractor, specialized health and safety considerations, a treatability study, and various equipment types for reagent mixing in the source zone. Treatability testing may consist of batch jar or column tests. Results may be used to assess reagents/amendments and associated dosage levels.

3.3 Alternative 3: Permeable Reactive Barrier (PRB) and Monitored Natural Attenuation

Alternative 3 would involve installation of a shallow PRB along the southern property line via trenching to intercept and treat groundwater before it migrates off-Site (refer to Figure 6). The PRB would utilize a reagent to chemically and/or biologically enhance contaminant degradation.

This alternative would include the preparation of a GMP renewal application for long-term groundwater monitoring and indoor air sampling. This long-term monitoring will allow for assessment of natural attenuation.

Alternative 3 would also include removal of the below ground holding tank, decommissioning of the presumed dry-well, decommissioning of the apparent drain line if found, removal and disposal of Building #1, 2, and 3's concrete slabs, transportation and off-Site disposal of presumably hazardous soils and treated groundwater generated during construction of the PRB, paving of the presumed Site source areas following PRB installation and decommissioning activities to prevent direct-contact with impacted soil, and implementation of an AUR with a requirement that a passive vapor system (at a minimum) be installed in any new building on the property.

Data gaps associated with this alternative include:

- Lack of data in the potentially confining layer (i.e. clayey silt to silt and clay) to evaluate whether significant contamination (e.g., DNAPL) may be present;
- Grain size analysis of on-Site Soils (heavily influences PRB design);
- Groundwater microbial data;
- Groundwater geochemistry data (specifically the organic carbon partitioning coefficient);
- Hydraulic conductivity; and
- Travel time.

3.3.1 Opinion of Cost

The opinion of estimated capital costs for this alternative is approximately \$1,930,000, which includes: installation of the PRB, additional site characterization including an evaluation for the potential presence of DNAPL, a pre-characterization sampling event for waste characterization of soils to be excavated during PRB construction, a contingency cost for remedial redesign in the event that DNAPL is present, submittal of an application for GMP renewal, and implementation of an AUR. An itemized cost estimate is provided in Table 2.



Assumptions used to develop this opinion of capital costs include:

- Area of PRB: 800 square feet;
- Depth of PRB: Approximately 10 feet. Actual depth will be to the top of the clayey silt so as not to penetrate the potential confining unit;
- Amendment material: zero valent iron (ZVI)-impregnated activated carbon;
- Dosage: 6 grams per kilogram soil;
- Building #1, 2, and 3's slab material is handled and disposed of as general construction debris;
- Soils excavated during PRB construction will be handled and disposed of off-Site as hazardous waste; and
- Groundwater encountered during PRB construction is to be treated on-Site before disposal off-Site as non-hazardous waste.

Additionally, the annual groundwater monitoring and indoor air sampling that is currently required by the NHDES under the existing (expired) GMP for the Site is estimated to cost approximately \$25,000 per year.

3.3.2 Effectiveness

Various reagents have proven effective for in-situ remediation of CVOCs. The shallow groundwater table and relatively permeable shallow subsurface media (i.e., sand) overlying a less permeable subsurface media (i.e., silt) are anticipated to contribute to the effectiveness of the PRB.

While Alternative 3 is anticipated to be effective in reducing contaminant mass migrating off-Site and will address direct-contact concerns following paving of the Site, we note that it will not be as effective in reducing concentrations in areas of the plume which have already migrated downgradient, nor will it be as time effective as Alternative 2 at reducing presumed source area concentrations, as it does not target the source areas. The PRB also does not address risk of exposure to receptors to the impacted indoor air as it will not reduce the overall CVOC concentrations within the source areas. Additionally, performance of the PRB may decrease over time.

The potential presence of DNAPL in site soils would impact the overall effectiveness of the PRB. Although DNAPL has not been observed at the Site, the CVOC concentrations detected in groundwater suggest it may be present somewhere on-Site. Additional investigation is warranted prior to implementation to evaluate the potential for DNAPL in site soils and to evaluate whether modification of the alternative is required. Contingency costs for remedial redesign were included in the total cost for this Alternative. This alternative also includes a pre-characterization drilling event to collect waste characterization samples from the proposed PRB area prior to construction. The drilling program would occur prior to construction to avoid potential downtime associated with waiting for analytical results following excavation of the PRB.



3.3.3 Implementability

Alternative 3 would be moderately challenging to implement and would require involvement of a remedial contractor, specialized health and safety considerations, a treatability study, an evaluation for the potential presence of DNAPL, a pre-characterization sampling event for waste characterization of soils to be excavated during PRB construction, various equipment types for installation of the PRB, and handling, transportation and off-Site disposal of presumably hazardous soils and treated groundwater generated during construction of the PRB.

Treatability testing may consist of batch jar or column tests. Results may be used to assess reagents/amendments and associated dosage levels, and to calculate reaction rates and residence time required to estimate thickness of the barrier.

3.4 Alternative 4: Source Zone Mixing, PRB and Monitored Natural Attenuation

Alternative 4 would combine both source area mixing (Alternative 2) and the PRB (Alternative 3) to address CVOC concentrations both in the source zone and migrating off-Site (refer to Figures 5 and 6).

This alternative would include the preparation of a GMP renewal application for long-term groundwater monitoring and indoor air sampling. This long-term monitoring will allow for assessment of natural attenuation.

Alternative 4 would also include removal of the below ground holding tank, decommissioning of the presumed dry-well, decommissioning of the apparent drain line if found, removal and disposal of Building #1, 2, and 3's concrete slab, transportation and disposal of soils and groundwater during construction of the PRB, paving of the presumed Site source areas following PRB installation and decommissioning activities to prevent direct-contact with impacted soil, and implementation of an Activity and Use Restriction (AUR) with a requirement that a passive vapor system (at a minimum) be installed in any new building on the property.

Data gaps associated with this alternative include:

- Lack of data in the potentially confining layer (i.e. clayey silt to silt and clay) to evaluate whether significant contamination (e.g., DNAPL) may be present;
- Grain size analysis of on-Site Soils (heavily influences PRB design)
- Groundwater microbial data;
- Groundwater geochemistry data (specifically the organic carbon partitioning coefficient);
- Hydraulic conductivity; and
- Groundwater travel time.

3.4.1 Opinion of Cost

The opinion of estimated capital costs for this alternative is approximately \$3,290,000, which includes: additional site characterization which includes an evaluation for the potential presence of DNAPL, a pre-remedial design investigation to identify potential reagents to use for source area mixing, a pre-characterization sampling event for waste characterization of soils to



be excavated during PRB construction, a contingency cost for remedial redesign in the event that DNAPL is present; installing the PRB, submittal of an application for GMP renewal, and implementation of an AUR. An itemized cost estimate is provided in Table 3.

Additionally, the annual groundwater monitoring and indoor air sampling that is currently required by the NHDES under the existing (expired) GMP for the Site is estimated to cost approximately \$25,000 per year.

Assumptions used to develop this opinion of capital costs include:

- Area of source mixing: 5,410 square feet;
- Depth of source mixing: 0 to 8 feet;
- Amendment material: zero valent iron (ZVI)-impregnated activated carbon;
- Source area dosage: 4 grams per kilogram soil;
- Area of PRB: 800 square feet;
- Depth of PRB: 10 feet;
- PRB dosage: 6 grams per kilogram soil;
- Building #1, 2 and 3's slab material is handled and disposed of as general construction debris;
- Soils excavated during PRB construction will be handled and disposed of off-Site as hazardous waste; and
- Groundwater encountered during PRB construction is to be treated on-Site before disposal off-Site as non-hazardous waste.

3.4.2 Effectiveness

By reducing the concentrations of CVOCs in the source areas and also reducing contaminant mass migrating off-Site, Alternative 4 is considered effective and reliable in reducing the risk of exposure to receptors, including exposure to the impacted indoor air identified at the Site and off-Site. However, as noted in Alternative 2 and 3, the potential presence of DNAPL in site soils would impact the overall effectiveness of both the source zone mixing and the PRB. Source mixing is not proposed to penetrate the clay unit so if DNAPL is present it could continue to contribute to groundwater impacts over time. Additional investigation is warranted prior to implementation to evaluate the potential for DNAPL and to evaluate whether modification of the alternative is required. As noted in the previous section, contingency costs for remedial redesign were included in the total cost for this Alternative.

Alternative 4 includes the completion of additional sampling once the buildings have been demolished to evaluate the potential for DNAPL in the deeper clayey unit at the Site to confirm whether source mixing is an effective approach, and to identify what reagent would be the most effective at the Site if DNAPL is not present. Various reagents have proven effective for in-situ remediation of CVOCs. The shallow groundwater table and relatively permeable media are anticipated to contribute to the increased effectiveness of the source area mixing and the PRB. This alternative also includes a pre-characterization drilling event to collect waste characterization samples from the proposed PRB area prior to construction.. The drilling

program would occur prior to construction to avoid potential downtime associated with waiting for analytical results following excavation of the PRB.

We note that, similar to Alternatives 2 and 3, performance of the reagent may decrease over time.

3.4.3 Implementability

Alternative 4 would be moderately challenging to implement and would require an evaluation for the potential presence of DNAPL, a pre-characterization sampling event for waste characterization of soils to be excavated during PRB construction, a pre-remedial design investigation to identify potential reagents to use for source area mixing, various equipment types for installation of the PRB/ reagent mixing in the source zone, handling, transportation and off-Site disposal of presumably hazardous soils and treated groundwater generated during construction of the PRB, involvement of a remedial contractor, specialized health and safety considerations, and a treatability study.

Treatability testing may consist of batch jar or column tests. Results may be used to assess reagents/amendments and associated dosage levels, and to calculate reaction rates and residence time required to estimate thickness of the barrier.

4.0 RECOMMENDED CLEANUP ALTERNATIVE

The recommended remedial alternative for the Site is Alternative 4: Source Zone Mixing, PRB, and Monitored Natural Attenuation. Alternative 1: No Action does not address the vapor intrusion risks associated with the impacted shallow groundwater on-Site, and limits the potential future-use of the Site. Alternative 2: Source Zone Mixing and Monitored Natural Attenuation addresses the source areas at the Site, but does not address impacted shallow groundwater outside of the source area that is migrating off-Site. Alternative 3: PRB and Monitored Natural Attenuation addresses the risk associated with contaminants as they move off-Site, but does not address the risk associated with vapor intrusion on-Site. Although it is the most costly alternative, implementation of Alternative 4: Source Zone Mixing, PRB, and Monitored Natural Attenuation addresses both on-Site and off-Site vapor intrusion risk by treating source areas and shallow groundwater before it migrates off-Site..

Therefore Alternative 4 is recommended based on its assumed effectiveness at addressing risks associated with the Site and Site vicinity, and the associated compatibility with the Town's vision for redevelopment of the Site. As discussed herein, modifications to Alternative 4 may be required based on the findings associated with proposed deeper investigations. Additional contingency has been added to the opinion of costs for this Alternative to account for these potential modifications.



Tables

TABLE 1
Preliminary Opinion of Cost
Analysis of Brownfields Cleanup Alternatives
Alternative 2
Associated Electric
Hillsborough, NH

	Qty	Unit	Unit Cost	Ext. Cost	Comments
CAPITAL COSTS					
Additional Site Characterization					
Utility Clearance - GPR Survey & Digsafe	1	L.S.	\$15,000	\$15,000	Based on Sanborn Head's experience with similar projects.
Field Prep - access coordination, etc	1	L.S.	\$20,000	\$20,000	Based on Sanborn Head's experience with similar projects.
Pre-Remedial Design Investigation & DNAPL Evaluation Drilling	1	L.S.	\$80,000	\$80,000	Based on Sanborn Head's experience with similar projects.
Additional Site Characterization Sampling					
Groundwater Sampling and Slug Testing	1	Each	\$30,000	\$30,000	Based on Sanborn Head's experience with similar projects
Laboratory - VOCs by Method 8260	20	Each	\$132	\$2,700	Based on EAI analytical pricing
Laboratory - microbial/geochemical analyses	10	Each	\$1,500	\$15,000	Based on Sanborn Head's experience with similar projects
Treatability Study	1	Each	\$15,000	\$15,000	To determine the dosage and treatability
Reporting	1	Each	\$50,000	\$50,000	Post-pre-design investigation and DNAPL Evaluation reporting
Subtotal, Additional Site Characterization Services				\$227,700	
Source Zone Mixing					
Site Mobilization & Demobilization	1	each	\$25,000	\$25,000	Based on Sanborn Head's experience with similar projects
Stockpiling	1	L.S.	\$30,000	\$30,000	Based on Sanborn Head's experience with similar projects
Reagent - Zero Valent Iron Impregnated Activated Carbon	20,000	Lbs	\$16.00	\$320,000	Based on 4 g/kg dosage, for an area of 5,410 square feet and 8 ft depth interval
Source Area Mixing	6	Day	\$15,000	\$90,000	Based on Sanborn Head's experience with similar projects, and assuming 1,000 sq. feet per day
Milling Existing Asphalt	1	L.S.	\$10,000	\$10,000	Based on Sanborn Head's experience with similar projects.
Base Grade Material for Paving in Vegetated Areas	1	L.S.	\$10,000	\$10,000	Based on Sanborn Head's experience with similar projects.
Paving/Repaving Source Areas and Disturbed Areas (including transportation and disposal costs)	1	L.S.	\$40,000	\$40,000	Based on Sanborn Head's experience with similar projects. Assumes approximately 7,000 sq. ft. of paving for disturbed source areas and area south of the building.
Floor Drain Decommissioning (in-situ)	1	L.S.	\$8,000	\$8,000	Based on Sanborn Head's experience with similar projects.
Dry Well Decommissioning (in-situ)	1	L.S.	\$10,000	\$10,000	Based on Sanborn Head's experience with similar projects.
Holding Tank Decommissioning	1	L.S.	\$25,000	\$25,000	Based on Sanborn Head's experience with similar projects.
Erosion Control and Stabilization					
Filter Log	400	L.F.	\$3.28	\$1,400	Based on R.S. Means 31.25.14.16.0705 (Erosion and Sedimentation Controls - Stabilization Measures for Erosion and Sedimentation Control, Sediment Log, Filter Sock, 9")
Catch Basin Inserts	1	L.S.	\$1,000	\$1,000	Based on Sanborn Head's experience with similar projects.
Granular Backfill (Post-Concrete Slab Removals and Holding Tank Decommissioning)	1	L.S.	\$15,000	\$15,000	Based on Sanborn Head's experience with similar projects.
Hydroseed	0.2	Acre	\$966.25	\$200	Based on R.S. Means 32.92.19.13.2100 (Mechanical Seeding, Seed and liquid fertilizer, field seed)
Transportation and Disposal					
Transportation and Disposal of CVOC-impacted material from within holding tank; assumes "contained out" designation	5	ton	\$278	\$1,400	Approximate cost for disposal at Turnkey Landfill in Rochester, NH.
Transportation and disposal of accumulated sediment from erosion and sediment control features	1	L.S.	\$500	\$500	Based on Sanborn Head's experience with similar construction projects
Transportation and disposal of erosion control features	1	L.S.	\$5,000	\$5,000	Based on Sanborn Head's experience with similar construction projects
Demolition off Building #1, #2, and #3 Concrete Slab	9	Day	\$5,000	\$45,000	Based on R.S. Means 24.11.61.17.04.20 (Building footings and foundations demolition, floors, concrete slab on grade, concrete, wire mesh reinforced, 6" thick). Assuming a total of 25,900 square feet of concrete slab on grade for Buildings #1, #2, and #3, demolition of 3,200 square feet a day.
Transportation and Disposal of Building #1, #2, and #3 Concrete Slab Material	962	ton	\$165	\$160,000	Based on Sanborn Head's experience with similar construction projects. Includes hauling costs.
Subtotal, Source Zone Mixing Services				\$797,500	
Scope Contingency (15%)	1	LS	\$153,800	\$153,800	Assumes 15% of construction cost
Bid Contingency (15%)	1	LS	\$153,800	\$153,800	Assumes 15% of construction cost
Remedial Redesign (25%)	1	LS	\$256,300	\$256,300	Assumes 25% of construction cost
Subtotal, Contractor Services and Contingency				\$1,590,000	
Engineering Services					
<i>Technical Services</i>					
Contractor Coordination/Contracting	1	each	\$30,000	\$30,000	
Remediation Engineering/Design/Permitting	1	each	\$50,000	\$50,000	
Reuse Planning	1	each	\$60,000	\$60,000	
Construction Oversight	1	each	\$120,000	\$120,000	
Site Survey and Design Plans	1	each	\$20,000	\$20,000	
AUR Application and Survey	1	each	\$15,000	\$15,000	
Reporting (SS-QAPP Preparation/Closure Report)	1	each	\$35,000	\$35,000	
Preparation of GMP Renewal Application	1	each	\$20,000	\$20,000	
Subtotal, Engineering Services				\$450,000	
TOTAL, Project Capital Cost				\$2,040,000	
ANNUAL COSTS					
(Years 1 through 30)					
Annual Groundwater and Indoor Air Monitoring Under GMP	1	each	\$25,000	\$25,000	
(Years 5, 10, 15, 20, 25, 30)					
5-Year GMP Renewal	1	each	\$15,000	\$15,000	
			No. of Years	30	
			Discount Rate	7%	
Present Value of Annual Costs, Years 1-30				\$343,000	
TOTAL, Present Value of Project Annual Cost				\$343,000	
PRESENT VALUE (CAPITAL AND ANNUAL)				\$2,380,000	
Key Scope Items/Assumptions:					
1) This opinion of cost represents a feasibility level estimate for implementing the conceptual approach, and it is not equivalent to an estimate that a contractor would bid or professional cost estimator may provide after final design is completed. Actual costs will be different.					
2) For additional description and limitations regarding the above preliminary opinion of cost, refer to the Limitations provided as Appendix A.					

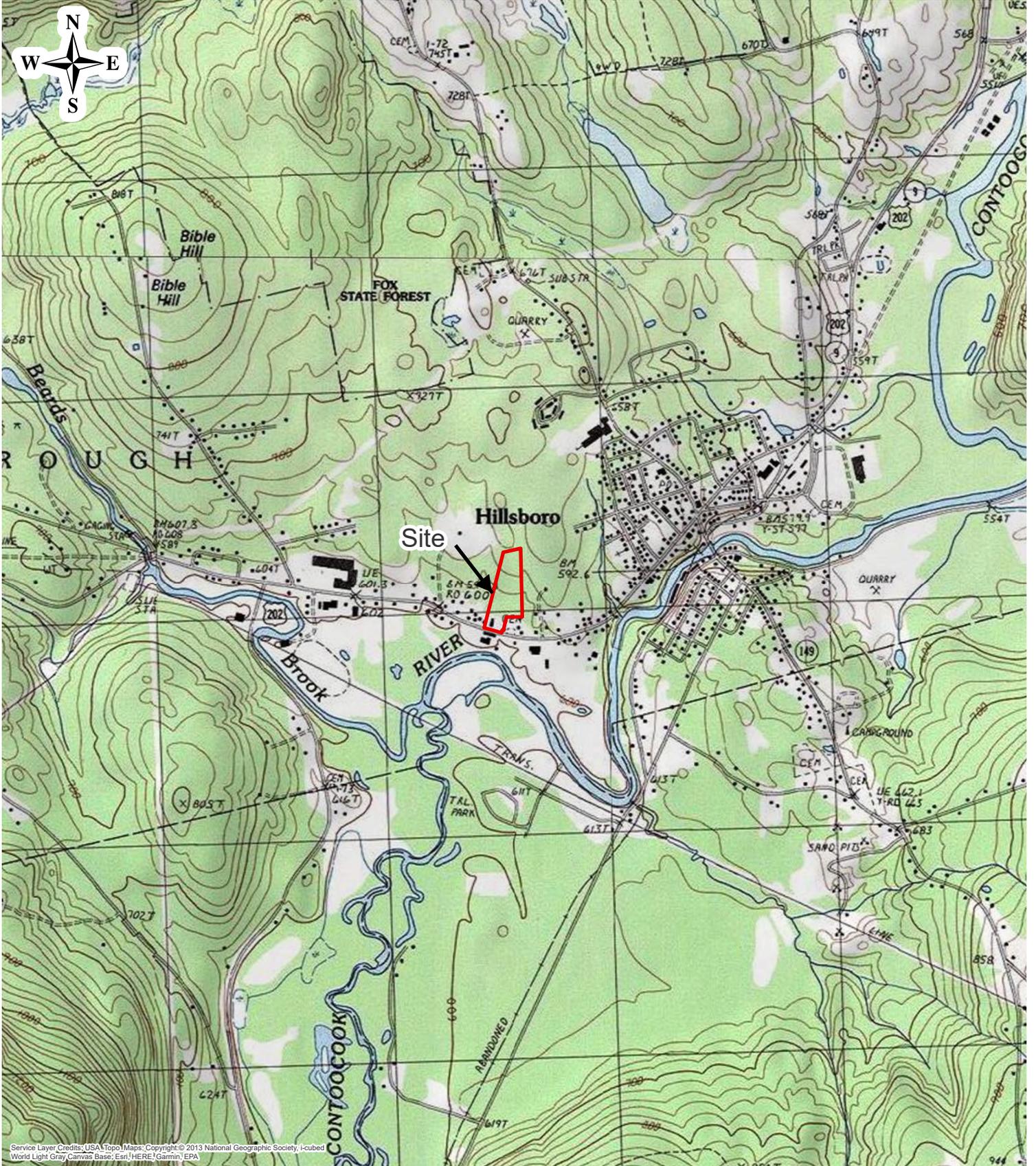
TABLE 2
Preliminary Opinion of Cost
Analysis of Brownfields Cleanup Alternatives
Alternative 3
Associated Electric
Hillsborough, NH

	Qty	Unit	Unit Cost	Ext. Cost	Comments
CAPITAL COSTS					
Additional Site Characterization					
Utility Clearance - GPR Survey & Digsafe	1	L.S.	\$15,000	\$15,000	Based on Sanborn Head's experience with similar projects.
Field Prep - access coordination, etc	1	L.S.	\$20,000	\$20,000	Based on Sanborn Head's experience with similar projects.
Waste Characterization & DNAPL Evaluation Drilling	1	L.S.	\$80,000	\$80,000	Based on Sanborn Head's experience with similar projects.
Additional Site Characterization Sampling					
Groundwater Sampling and Slug Testing	1	Each	\$30,000	\$30,000	Based on Sanborn Head's experience with similar projects
Laboratory - VOCs by Method 8260	20	Each	\$132	\$2,700	Based on EAI analytical pricing
Laboratory - microbial/geochemical analyses	10	Each	\$1,500	\$15,000	Based on Sanborn Head's experience with similar projects
Waste Characterization	3	Each	\$1,200	\$3,600	Based on EAI analytical pricing
Treatability Study	1	Each	\$15,000	\$15,000	To determine the dosage and treatability
Reporting	1	Each	\$50,000	\$50,000	Post-pre-design investigation and DNAPL Evaluation reporting
Subtotal, Additional Site Characterization Services				\$231,300	
PRB Installation					
Site Mobilization & Demobilization	1	Each	\$25,000	\$25,000	Based on Sanborn Head's experience with similar projects.
Stockpiling	1	L.S.	\$20,000	\$20,000	Based on Sanborn Head's experience with similar projects.
Reagent Mixing	4	Day	\$15,000	\$60,000	Based on Sanborn Head's experience with similar projects, and assuming 300 sq. feet per day.
Reagent - Zero Valent Iron Impregnated Activated Carbon	10,000	Lbs	\$16.00	\$160,000	Based on 8 g/kg dosage, area of 800 square feet, and 10 foot depth interval
Milling Existing Asphalt	1	L.S.	\$10,000	\$10,000	Based on Sanborn Head's experience with similar projects.
Base Grade Material for Paving in Vegetated Areas	1	L.S.	\$10,000	\$10,000	Based on Sanborn Head's experience with similar projects.
Paving/Repaving Source Areas and Disturbed Areas (including transportation and disposal costs)	1	L.S.	\$25,000	\$25,000	Based on Sanborn Head's experience with similar projects. Assumes approximately 3,000 sq. ft. of paving for disturbed source areas and area south of the building.
Floor Drain Decommissioning (in-situ)	1	L.S.	\$8,000	\$8,000	Based on Sanborn Head's experience with similar projects.
Dry Well Decommissioning (in-situ)	1	L.S.	\$10,000	\$10,000	Based on Sanborn Head's experience with similar projects.
Holding Tank Decommissioning	1	L.S.	\$25,000	\$25,000	Based on Sanborn Head's experience with similar projects.
Erosion Control and Stabilization					
Filter Log	400	L.F.	\$3.28	\$1,400	Based on R.S. Means 31.25.14.16.0705 (Erosion and Sedimentation Controls - Stabilization Measures for Erosion and Sedimentation Control, Sediment Log, Filter Sock, 9")
Catch Basin Inserts	1	L.S.	\$1,000.00	\$1,000	Based on Sanborn Head's experience with similar projects.
Granular Backfill (Post-Concrete Slab Removals and Holding Tank Decommissioning)	1	L.S.	\$15,000	\$15,000	Based on Sanborn Head's experience with similar projects.
Hydroseed	0.2	Acre	\$966.25	\$200	Based on R.S. Means 32.92.19.13.2100 (Mechanical Seeding, Seed and liquid fertilizer, field seed)
Transportation and Disposal					
Transportation and Disposal of CVOC-impacted material (i.e., purged groundwater) from within holding tank; assumes	5	ton	\$278	\$1,400	Approximate cost for disposal at Turnkey Landfill in Rochester, NH.
Transportation and Disposal of CVOC-impacted Soil - hazardous waste designation	1	L.S.	\$70,000	\$70,000	Based on Sanborn Head's experience with similar construction projects.
Treatment, Transportation and Disposal of CVOC-impacted Groundwater, assumes "contained out" designation	1	L.S.	\$100,000	\$100,000	Based on Sanborn Head's experience with similar construction projects.
Transportation and disposal of accumulated sediment from	1	L.S.	\$500	\$500	Based on Sanborn Head's experience with similar construction projects.
Transportation and disposal of erosion control features	1	L.S.	\$5,000	\$5,000	Based on Sanborn Head's experience with similar construction projects.
Demolition off Building #1, #2, and #3 Concrete Slab	9	Day	\$5,000	\$45,000	Based on R.S. Means 24.11.61.17.04.20 (Building footings and foundations demolition, floors, concrete slab on grade, concrete, wire mesh reinforced, 6" thick). Assuming a total of 25,900 square feet of concrete slab on grade for Buildings #1, #2, and #3, demolition of 3,200 square feet a day.
Transportation and Disposal of Building #1, #2, and #3 Concrete Slab Material	962	ton	\$165	\$160,000	Based on Sanborn Head's experience with similar construction projects. Unit cost includes hauling fees.
Subtotal, PRB Installation Services				\$752,500	
Scope Contingency (15%)	1	LS	\$147,600	\$147,600	Assumes 15% of construction and T&D cost.
Bid Contingency (15%)	1	LS	\$147,600	\$147,600	Assumes 15% of construction and T&D cost.
Remedial Redesign (25%)	1	LS	\$246,000	\$246,000	Assumes 25% of construction cost
Subtotal, Contractor Services and Contingency				\$1,525,000	
Engineering Services					
<i>Technical Services</i>					
Contractor Coordination/Contracting	1	Each	\$30,000	\$30,000	
Remediation Engineering/Design/Permitting	1	each	\$50,000	\$50,000	
Reuse Planning	1	each	\$60,000	\$60,000	
Construction Oversight	1	each	\$91,500	\$91,500	
Site Survey and Design Plans	1	each	\$20,000	\$20,000	
AUR Application and Survey	1	each	\$15,000	\$15,000	
Reporting (SS-QAPP Preparation/Closure Report)	1	each	\$35,000	\$35,000	
Preparation of GMP Renewal Application	1	each	\$20,000	\$20,000	
Subtotal, Engineering Services				\$400,000	
TOTAL, Project Capital Cost				\$1,930,000	
ANNUAL COSTS					
(Years 1 through 30)					
Annual Groundwater and Indoor Air Monitoring Under GMP	1	each	\$25,000	\$25,000	
(Years 5, 10, 15, 20, 25, 30)					
5-Year GMP Renewal	1	each	\$15,000	\$15,000	
			No. of Years	30	
			Discount Rate	7%	
Present Value of Annual Costs, Years 1-30				\$343,000	
TOTAL, Present Value of Project Annual Cost				\$343,000	
PRESENT VALUE (CAPITAL AND ANNUAL)				\$2,270,000	
Key Scope Items/Assumptions:					
1) This opinion of cost represents a feasibility level estimate for implementing the conceptual approach, and it is not equivalent to an estimate that a contractor would bid or professional cost estimator					
2) For additional description and limitations regarding the above preliminary opinion of cost, refer to the Limitations provided as Appendix A.					

TABLE 3
Preliminary Opinion of Cost
Analysis of Brownfields Cleanup Alternatives
Alternative 4
Associated Electric
Hillsborough, NH

	Qty	Unit	Unit Cost	Ext. Cost	Comments
CAPITAL COSTS					
Additional Site Characterization					
Utility Clearance - GPR Survey & Digsafe	1	L.S.	\$22,500	\$22,500	Based on Sanborn Head's experience with similar projects.
Field Prep - access coordination, etc	1	L.S.	\$30,000	\$30,000	Based on Sanborn Head's experience with similar projects.
Pre-Remedial Design Investigation, Waste Characterization, and DNAPL Evaluation Drilling	1	L.S.	\$120,000	\$120,000	Based on Sanborn Head's experience with similar projects.
Additional Site Characterization Sampling					
Groundwater Sampling and Slug Testing	1	Each	\$20,000	\$20,000	Based on Sanborn Head's experience with similar projects.
Laboratory - VOCs by Method 8260	20	Each	\$132	\$2,700	Based on EAI analytical pricing
Laboratory - microbial/geochemical analyses	10	Each	\$1,500	\$15,000	Based on Sanborn Head's experience with similar projects.
Waste Characterization	3	Each	\$1,200	\$3,600	Based on EAI analytical pricing
Treatability Study	1	Each	\$25,000	\$25,000	To determine the dosage and treatability
Reporting	1	Each	\$50,000	\$50,000	Post-pre-design investigation and DNAPL Evaluation reporting
Subtotal, Additional Site Characterization Services				\$288,800	
Source Zone Mixing					
Site Mobilization & Demobilization	2	Each	\$25,000	\$50,000	Based on Sanborn Head's experience with similar projects. Assumes separate mobilizations for Source Area Mixing and PRB Installation.
Stockpiling	1	L.S.	\$30,000	\$30,000	Based on Sanborn Head's experience with similar projects.
Reagent - Zero Valent Iron Impregnated Activated Carbon	20,000	Lbs	\$16.00	\$320,000	Based on 4 g/kg dosage, for an area of 5,410 square feet and 8 ft depth interval
Source Area Mixing	6	Day	\$15,000	\$90,000	Based on Sanborn Head's experience with similar projects, and assuming 1,000 sq. feet per day.
Milling Existing Asphalt	1	L.S.	\$10,000	\$10,000	Based on Sanborn Head's experience with similar projects.
Base Grade Material for Paving in Vegetated Areas	1	L.S.	\$10,000	\$10,000	Based on Sanborn Head's experience with similar projects.
Paving/Repaving Source Areas and Disturbed Areas (including transportation and disposal costs)	1	L.S.	\$40,000	\$40,000	Based on Sanborn Head's experience with similar projects. Assumes approximately 7,500 sq. ft. of paving for disturbed source areas and area south of the building.
Floor Drain Decommissioning (in-situ)	1	L.S.	\$8,000	\$8,000	Based on Sanborn Head's experience with similar projects.
Dry Well Decommissioning (in-situ)	1	L.S.	\$10,000	\$10,000	Based on Sanborn Head's experience with similar projects.
Holding Tank Decommissioning	1	L.S.	\$25,000	\$25,000	Based on Sanborn Head's experience with similar projects.
PRB Installation					
Stockpiling	1	L.S.	\$20,000	\$20,000	Based on Sanborn Head's experience with similar projects.
Reagent Mixing	4	Day	\$15,000	\$60,000	Based on Sanborn Head's experience with similar projects, and assuming 300 sq. feet per day.
Reagent - Zero Valent Iron Impregnated Activated Carbon	10,000	Lbs	\$16.00	\$160,000	Based on 8 g/kg dosage, area of 800 square feet, and 4 foot depth interval
Erosion Control and Stabilization					
Filter Log	400	L.F.	\$3.28	\$1,400	Based on R.S. Means 31.25.14.16.0705 (Erosion and Sedimentation Controls - Stabilization Measures for Erosion and Sedimentation Control, Sediment Log, Filter Sock, 9")
Catch Basin Inserts	1	L.S.	\$1,000.00	\$1,000	Based on Sanborn Head's experience with similar projects.
Granular Backfill (Post-Concrete Slab Removals and Holding Tank Decommissioning)	1	L.S.	\$15,000	\$15,000	Based on Sanborn Head's experience with similar projects.
Hydroseed	0.2	Acre	\$966.25	\$200	Based on R.S. Means 32.92.19.13.2100 (Mechanical Seeding, Seed and liquid fertilizer, field seed)
Transportation and Disposal					
Transportation and Disposal of CVOC-impacted material (i.e., purged groundwater) from within holding tank; assumes "contained out" designation	5	ton	\$278	\$1,400	Approximate cost for disposal at Turnkey Landfill in Rochester, NH.
Transportation and disposal of accumulated sediment from	1	L.S.	\$500	\$500	Based on Sanborn Head's experience with similar construction projects.
Transportation and disposal of erosion control features	1	L.S.	\$5,000	\$5,000	Based on Sanborn Head's experience with similar construction projects.
Transportation and Disposal of CVOC-impacted Soil - hazardous waste designation	1	L.S.	\$70,000	\$70,000	Based on Sanborn Head's experience with similar construction projects.
Treatment, Transportation and Disposal of CVOC-impacted Groundwater, assumes "contained out" designation	1	L.S.	\$100,000	\$100,000	Based on Sanborn Head's experience with similar construction projects.
Demolition off Building #1, #2, and #3 Concrete Slab	9	Day	\$5,000	\$45,000	Based on R.S. Means 24.11.61.17.04.20 (Building footings and foundations demolition, floors, concrete slab on grade, concrete, wire mesh reinforced, 6" thick). Assuming a total of 25,900 square feet of concrete slab on grade for Buildings #1, #2, and #3. demolition of 3,200 square feet a day.
Transportation and Disposal of Building #1, #2, and #3 Concrete Slab Material	962	ton	\$165	\$160,000	Based on Sanborn Head's experience with similar construction projects. Includes hauling costs.
Subtotal, Source Zone Mixing and PRB Installation Services				\$1,232,500	
Scope Contingency (15%)	1	LS	\$228,200	\$228,200	Assumes 15% of construction cost.
Bid Contingency (15%)	1	LS	\$228,200	\$228,200	Assumes 15% of construction cost.
Remedial Redesign (25%)	1	LS	\$380,300	\$380,300	Assumes 25% of construction cost.
Subtotal, Contractor Services and Contingency				\$2,358,000	
Engineering Services					
Technical Services					
Contractor Coordination/Contracting	1	Each	\$50,000	\$50,000	
Remediation Engineering/Design/Permitting	1	each	\$100,000	\$100,000	
Reuse Planning	1	each	\$60,000	\$60,000	
Construction Oversight	1	each	\$165,000	\$165,000	
Site Survey and Design Plans	1	each	\$25,000	\$25,000	
AUR Application and Survey	1	each	\$20,000	\$20,000	
Reporting (SS-QAPP Preparation/Closure Report)	1	each	\$50,000	\$50,000	
Preparation of GMP Renewal Application	1	each	\$20,000	\$20,000	
Subtotal, Engineering Services				\$640,000	
TOTAL, Project Capital Cost				\$3,290,000	
ANNUAL COSTS					
(Years 1 through 30)					
Annual Groundwater and Indoor Air Monitoring Under GMP	1	each	\$25,000	\$25,000	
(Years 5, 10, 15, 20, 25, 30)					
5-Year GMP Renewal	1	each	\$15,000	\$15,000	
No. of Years				30	
Discount Rate				7%	
Present Value of Annual Costs, Years 1-30				\$343,000	
TOTAL, Present Value of Project Annual Cost				\$343,000	
PRESENT VALUE (CAPITAL AND ANNUAL)				\$3,630,000	
Key Scope Items/Assumptions:					
1) This opinion of cost represents a feasibility level estimate for implementing the conceptual approach, and it is not equivalent to an estimate that a contractor would bid or professional cost					
2) For additional description and limitations regarding the above preliminary opinion of cost, refer to the Limitations provided as Appendix A.					

Figures



Service Layer Credits: USA Topo Maps. Copyright © 2013 National Geographic Society, I-cubed World Light Gray Canvas Base: Esri | HERE | Garmin | EPA



Drawn By: E. Wright
 Designed By: C. Vignola
 Reviewed By: H. Caprood
 Project No: 4682.007
 Date: September 2025



Figure 1

Locus Plan

Analysis of Brownfields Cleanup Alternatives Update

Associated Electric Site
 171 W Main Street
 Hillsborough, New Hampshire
 NHDES Site #199203033

Figure 2

Key Observations Plan

Analysis of Brownfields Cleanup
Alternatives Update
Associated Electric Site
171 W Main Street
Hillsborough, New Hampshire
NHDES Site #199203033

Drawn By: E. Wright
Designed By: C. Vignola
Reviewed By: H. Caprood
Project No: 4682.007
Date: September 2025

Figure Narrative

The purpose of this figure is to show the Associated Electric Site and its approximate boundaries (shown with red outline) and key Site observations. Features and property boundaries should be considered approximate.

Notes

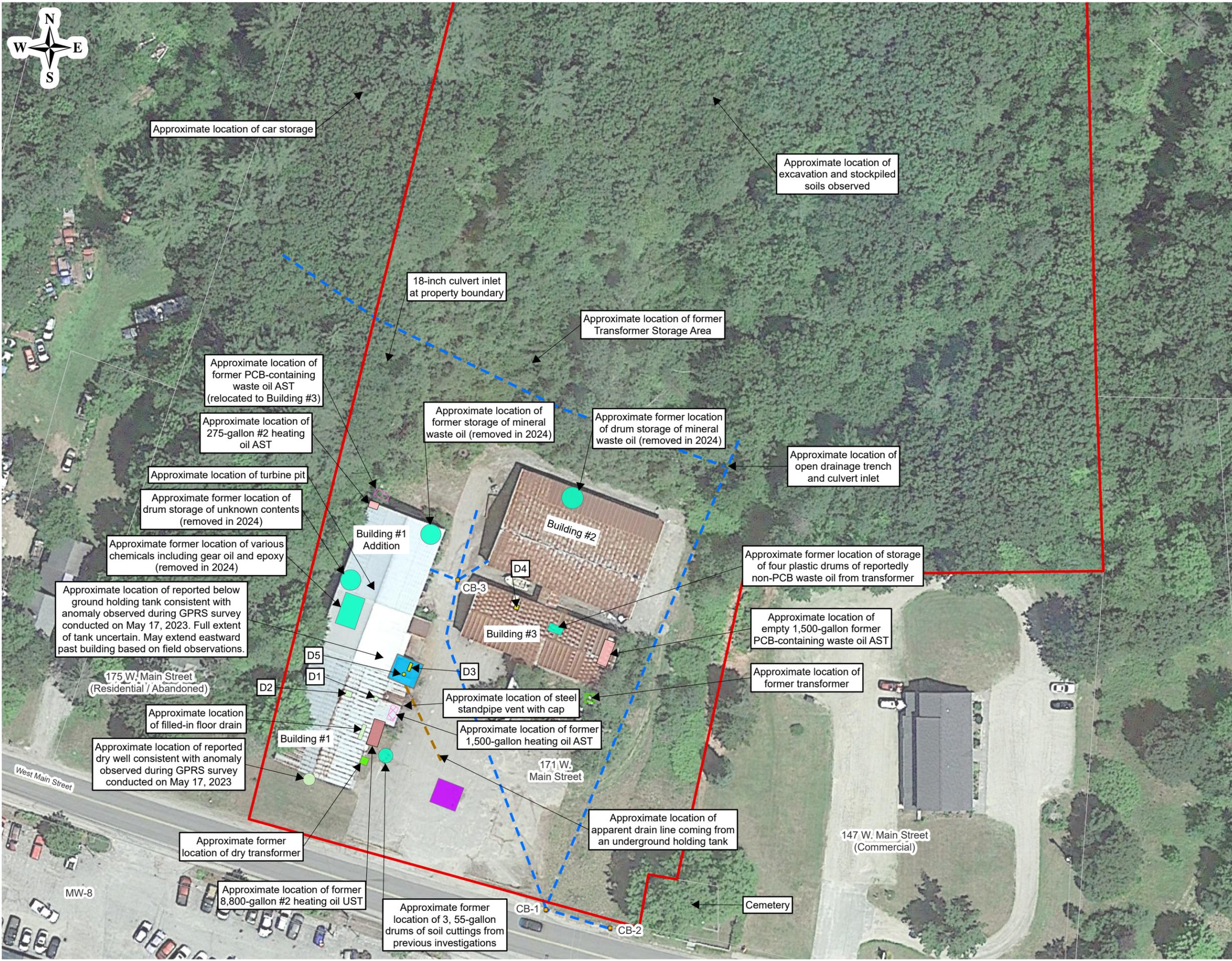
1. Aerial photograph provided by Google Satellite.
2. Property boundary based on GRANITE NH Tax map.
3. Approximate location of site features are from the "Supplemental Site Investigation Report", prepared by Geolnsight and dated December 14, 2009.

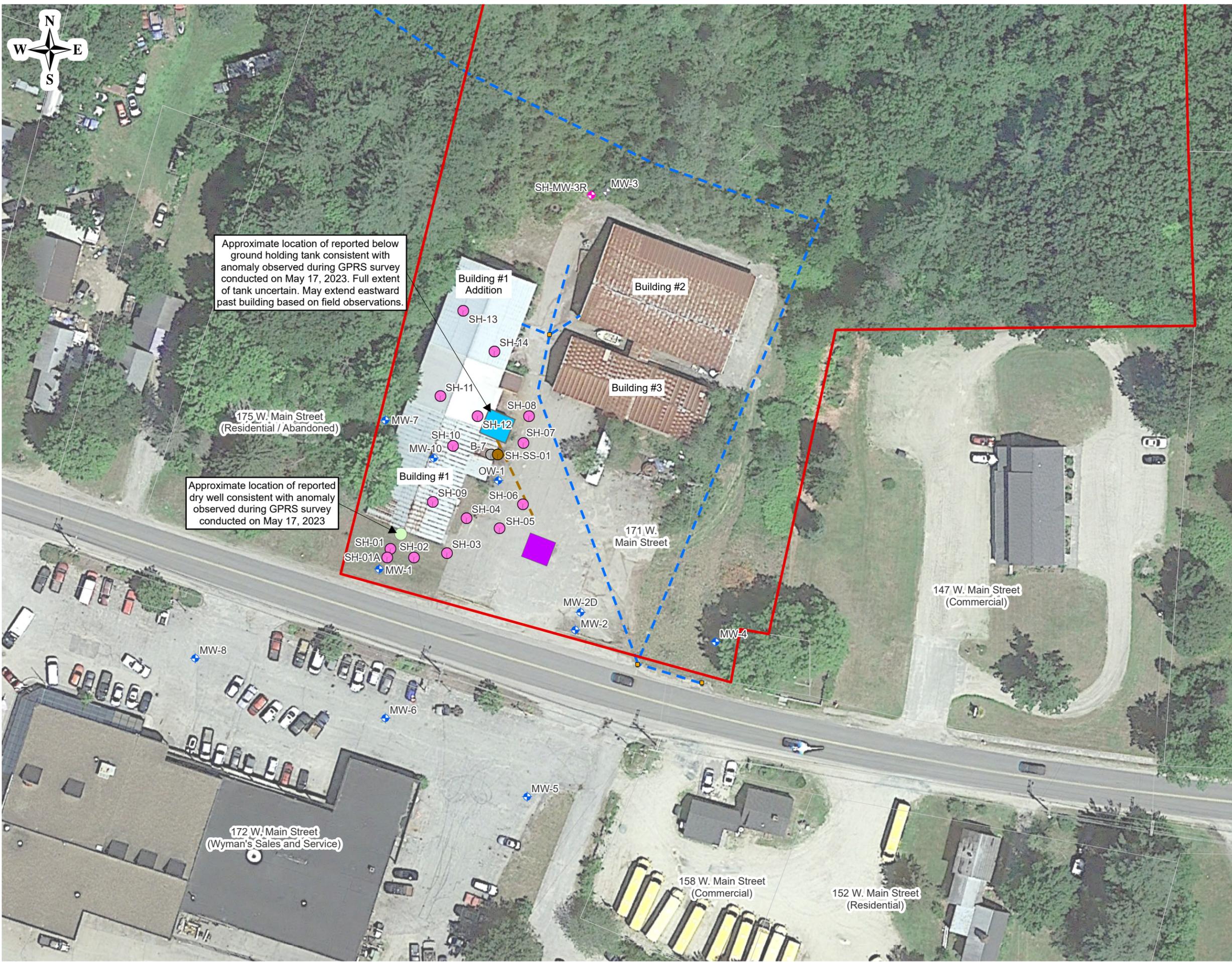
Legend

- Above Ground Storage Tank (AST)
- Underground Storage Tank (UST)
- Holding Tank / Septic Tank
- Catch Basin
- Floor Drain
- Transformer
- Storage
- Excavation Area to Repair Drain Pipe
- Storm Drain line
- Apparent Drain line
- Approximate Site Boundary
- Approximate Parcel Boundary



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Approximate location of reported below ground holding tank consistent with anomaly observed during GPRS survey conducted on May 17, 2023. Full extent of tank uncertain. May extend eastward past building based on field observations.

Approximate location of reported dry well consistent with anomaly observed during GPRS survey conducted on May 17, 2023

Figure 3

Exploration Location Plan

Analysis of Brownfields Cleanup Alternatives Update

Associated Electric Site
171 W Main Street
Hillsborough, New Hampshire
NHDES Site #199203033

Drawn By: E. Wright
 Designed By: C. Vignola
 Reviewed By: H. Caprood
 Project No: 4682.007
 Date: September 2025

Figure Narrative

This figure shows the site, select key observations, and explorations completed by Sanborn Head in July 2025 as part of a Supplemental Assessment.

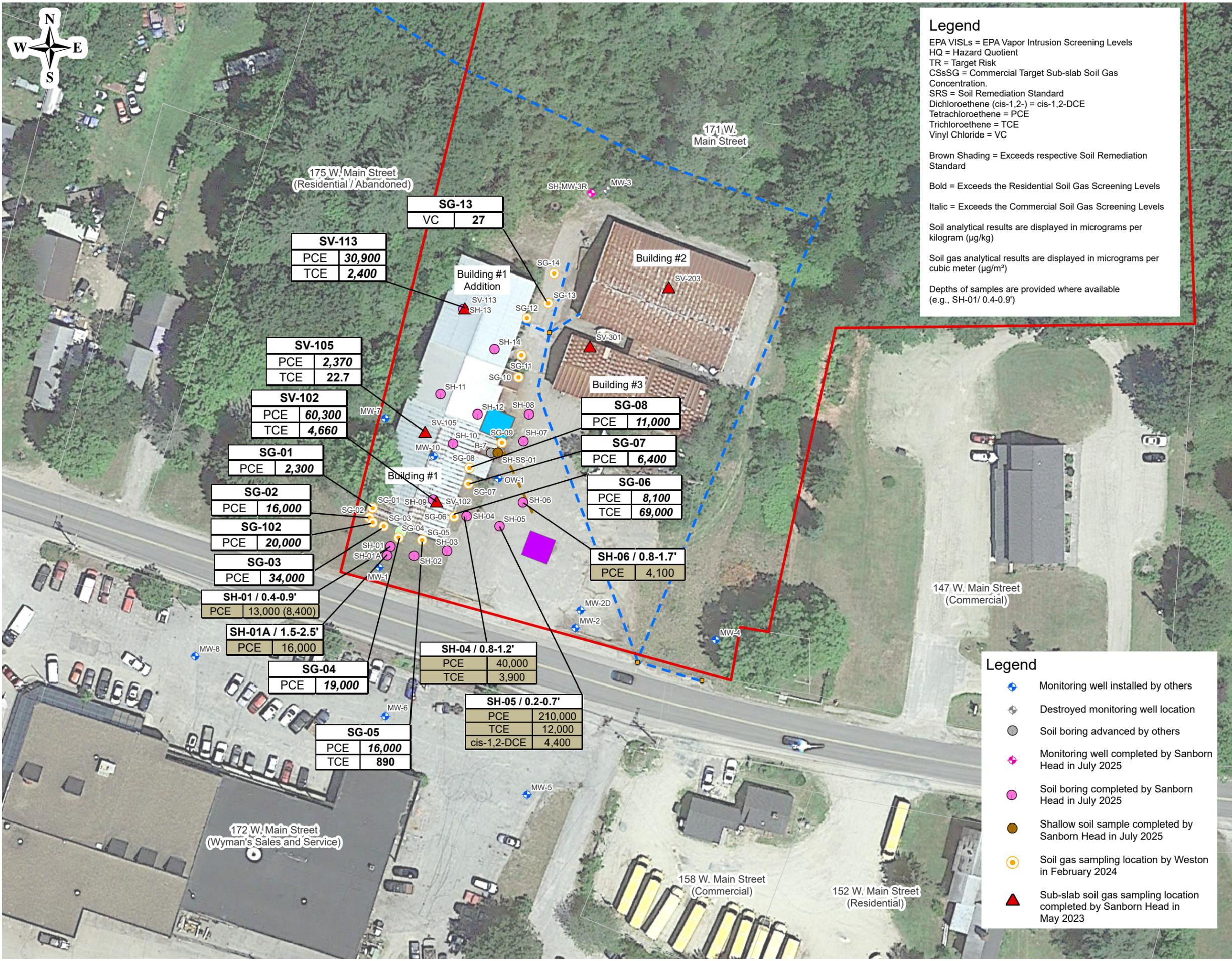
Notes

1. Aerial photograph provided by Google Satellite.
2. Property boundary based on GRANITE NH Tax map.
3. Approximate site features are from the "Supplemental Site Investigation Report", prepared by Geolnsight and dated December 14, 2009.
4. Approximate monitoring well locations are provided from figure titled "Site Plan" by Geolnsight dated December 6, 2010.
5. Monitoring well SH-MW-03R and soil exploration locations (SH-01 through SH-14, SH-01A, and SH-SS-01) were located from site features and using a hand-held GPS.

Legend

- ◆ Monitoring well installed by others
- ◆ Destroyed monitoring well location
- Soil boring advanced by others
- Catch Basin
- Approximate Site Boundary
- Approximate Parcel Boundary
- - - Storm Drain Line
- - - Apparent Drain line
- ◆ Monitoring well completed by Sanborn Head in July 2025
- Soil boring completed by Sanborn Head in July 2025
- Shallow soil sample completed by Sanborn Head in July 2025





Legend

EPA VISLs = EPA Vapor Intrusion Screening Levels
 HQ = Hazard Quotient
 TR = Target Risk
 CSsSG = Commercial Target Sub-slab Soil Gas Concentration.
 SRS = Soil Remediation Standard
 Dichloroethene (cis-1,2-) = cis-1,2-DCE
 Tetrachloroethene = PCE
 Trichloroethene = TCE
 Vinyl Chloride = VC

Brown Shading = Exceeds respective Soil Remediation Standard

Bold = Exceeds the Residential Soil Gas Screening Levels

Italic = Exceeds the Commercial Soil Gas Screening Levels

Soil analytical results are displayed in micrograms per kilogram (µg/kg)

Soil gas analytical results are displayed in micrograms per cubic meter (µg/m³)

Depths of samples are provided where available (e.g., SH-01/ 0.4-0.9')

Legend

- Monitoring well installed by others
- Destroyed monitoring well location
- Soil boring advanced by others
- Monitoring well completed by Sanborn Head in July 2025
- Soil boring completed by Sanborn Head in July 2025
- Shallow soil sample completed by Sanborn Head in July 2025
- Soil gas sampling location by Weston in February 2024
- Sub-slab soil gas sampling location completed by Sanborn Head in May 2023

Figure 4
Contaminant Distribution Plan
 Analysis of Brownfields Cleanup Alternatives Update

Associated Electric Site
 171 W Main Street
 Hillsborough, New Hampshire
 NHDES Site #199203033

Drawn By: E. Wright
 Designed By: C. Vignola
 Reviewed By: H. Caprood
 Project No: 4682.007
 Date: September 2025

Figure Narrative

This figure provides a summary of soil and soil gas data collected at the site, including: soil analytical data collected by Sanborn Head in July 2025, soil gas analytical data collected by Sanborn Head in May 2023, and soil gas screening data collected by Weston Solutions, Inc. (Weston) in February 2024. Only analytical data exceeding respective soil and soil gas standards are shown.

Notes

1. Approximate site features are from the "Supplemental Site Investigation Report", prepared by Geolnsight and dated December 14, 2009.

2. Approximate monitoring well locations are provided from figure titled "Site Plan" by Geolnsight dated December 6, 2010.

3. Monitoring well SH-MW-03R and soil exploration locations (SH-01 through SH-14, SH-01A, and SH-SS-01) were located from site features and using a hand-held GPS.

4. Weston's soil gas sampling locations and analytical data are provided from the "Preliminary Assessment/ Site Investigation Report", prepared by Weston for the United States Environmental Protection Agency (USEPA) dated May 2024. Weston compared the results of their soil gas samples to the United States Environmental Protection Agency Vapor Intrusion Screening Levels (VISLs), but for comparative purposes, they have been compared to NHDES Soil Gas Screening Levels.

5. The soil data collected by Geolnsight during the installation of monitoring wells MW-1 and MW-2, as provided in the "Site Investigation Report (SIR)" prepared by Geoserve for Tom Slowick (Associated Electric) and dated January 2002, was not included as the soil samples were collected from beneath the water table and concentrations are not representative of soil conditions.

6. Sanborn Head sub-slab soil gas sampling locations and analytical data are provided in Sanborn Head's September 2023 Limited Phase II ESA.

7. Refer to previous figures for additional notes and legend.



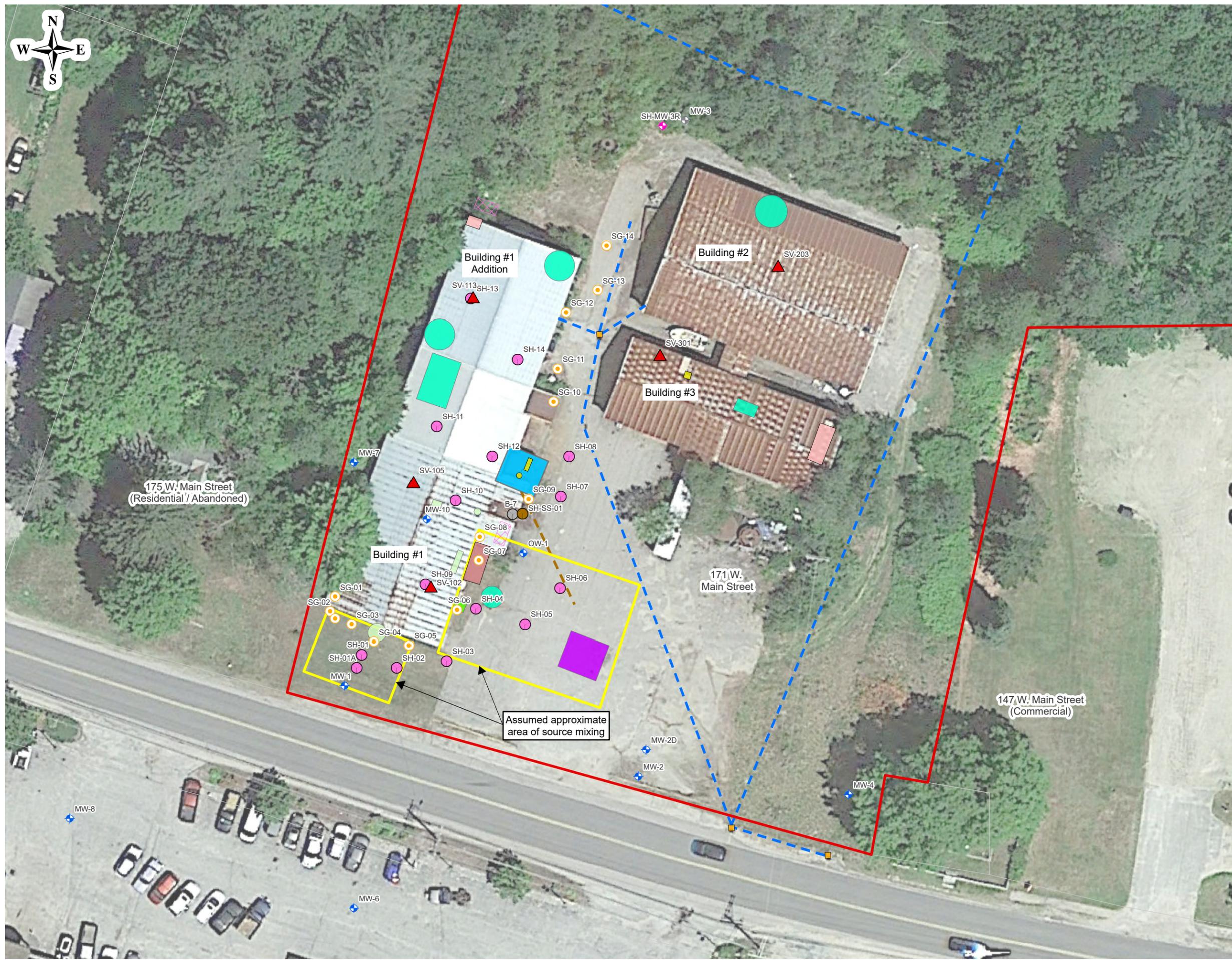


Figure 5

Source Area Mixing and Monitored Natural Attenuation

Analysis of Brownfields Cleanup Alternatives Update

Associated Electric Site
171 W Main Street

Hillsborough, New Hampshire
NHDES Site #199203033

Drawn By:	E. Wright
Designed By:	C. Vignola
Reviewed By:	H. Caprood
Project No:	4682.007
Date:	September 2025

Figure Narrative

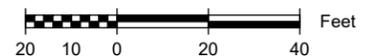
The purpose of this figure is to present a preliminary conceptual approach for Alternative #2 at the site. Refer to the report text for additional information.

Notes

1. Approximate site features are from the "Supplemental Site Investigation Report", prepared by Geolnsight and dated December 14, 2009.
2. Approximate monitoring well locations are provided from figure titled "Site Plan" by Geolnsight dated December 6, 2010.
3. Monitoring well SH-MW-03R and soil exploration locations (SH-01 through SH-14, SH-01A, and SH-SS-01) were located from site features and using a hand-held GPS.
4. Refer to previous figures for additional legend items.

Legend

- Monitoring well installed by others
- Destroyed monitoring well location
- Soil boring advanced by others
- Monitoring well completed by Sanborn Head in July 2025
- Soil boring completed by Sanborn Head in July 2025
- Shallow soil sample completed by Sanborn Head in July 2025
- Soil gas sampling location by Weston in February 2024
- Sub-slab soil gas sampling location completed by Sanborn Head in May 2023



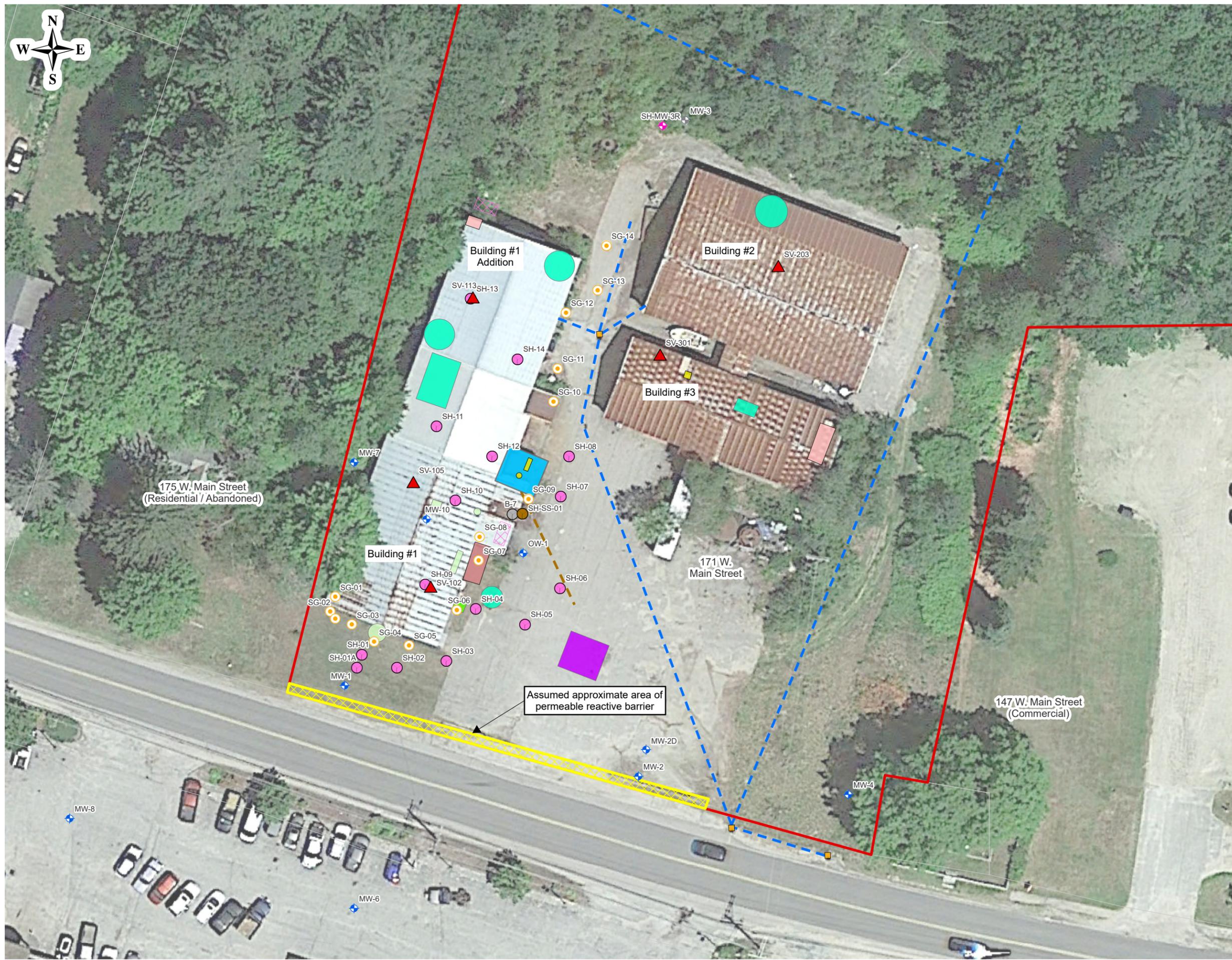


Figure 6

Permeable Reactive Barrier and Monitored Natural Attenuation

Analysis of Brownfields Cleanup Alternatives Update

Associated Electric Site
171 W Main Street

Hillsborough, New Hampshire
NHDES Site #199203033

Drawn By:	E. Wright
Designed By:	C. Vignola
Reviewed By:	H. Caprood
Project No:	4682.007
Date:	September 2025

Figure Narrative

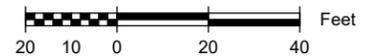
The purpose of this figure is to present a preliminary conceptual approach for Alternative #3 at the site. Refer to the report text for additional information.

Notes

1. Approximate site features are from the "Supplemental Site Investigation Report", prepared by Geolnsight and dated December 14, 2009.
2. Approximate monitoring well locations are provided from figure titled "Site Plan" by Geolnsight dated December 6, 2010.
3. Monitoring well SH-MW-03R and soil exploration locations (SH-01 through SH-14, SH-01A, and SH-SS-01) were located from site features and using a hand-held GPS.
4. Refer to previous figures for additional legend items.

Legend

- Monitoring well installed by others
- Destroyed monitoring well location
- Soil boring advanced by others
- Monitoring well completed by Sanborn Head in July 2025
- Soil boring completed by Sanborn Head in July 2025
- Shallow soil sample completed by Sanborn Head in July 2025
- Soil gas sampling location by Weston in February 2024
- Sub-slab soil gas sampling location completed by Sanborn Head in May 2023



Appendix A

Limitations

APPENDIX A

LIMITATIONS

1. The observations described in this report were made under the conditions stated herein. The conclusions presented in this report were based solely upon the services described herein, and not on scientific tasks or procedures beyond the scope of described services or any time and budgetary constraints imposed by the Client.
2. In preparing this report, Sanborn Head has relied on certain information provided by state and local officials and other parties referenced herein, and on information contained in the files of state and/or local agencies available to us at the time of this report. Although there may have been some degree of overlap in the information provided by these various sources, we did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.
3. Should additional information on environmental conditions at the site which is not contained in the report be obtained, such information should be brought to Sanborn Head's attention. We will evaluate such information and, on the basis of our evaluation, may modify the conclusions stated in this report.
4. Observations were made of the site and of structures on the site as indicated within the report. Where access to portions of the site or to structures on the site was unavailable or limited, Sanborn Head renders no opinion as to the presence of hazardous material or oil or to the presence of indirect evidence relating to hazardous material or oil in that portion of the site or structure.
5. Water level measurements have been made in the monitoring wells at times and under conditions stated within the text of the report. Note that fluctuations in the level of the groundwater may occur due to variations in rainfall and other factors not evident at the time measurements were made.
6. The preliminary remedial alternatives described in this report are based in part on the data obtained from a limited number of samples from widely spaced explorations. The nature and extent of variations between these explorations may not become evident until further investigation, or remediation, is initiated. If variations or other latent conditions then appear evident, it will be necessary to re-evaluate the conclusions and recommendations of this report.
7. A substantial amount of environmental analytical data has been generated at the site by others. Sanborn Head relied upon the data generated during prior investigations to understand the contaminant distribution and prepare area and volume calculations as part of the remedial alternatives evaluation. The results of prior field investigations were not independently verified by Sanborn Head by way of further investigations. While Sanborn Head has reviewed that data and information as stated in this report, any of Sanborn Head's

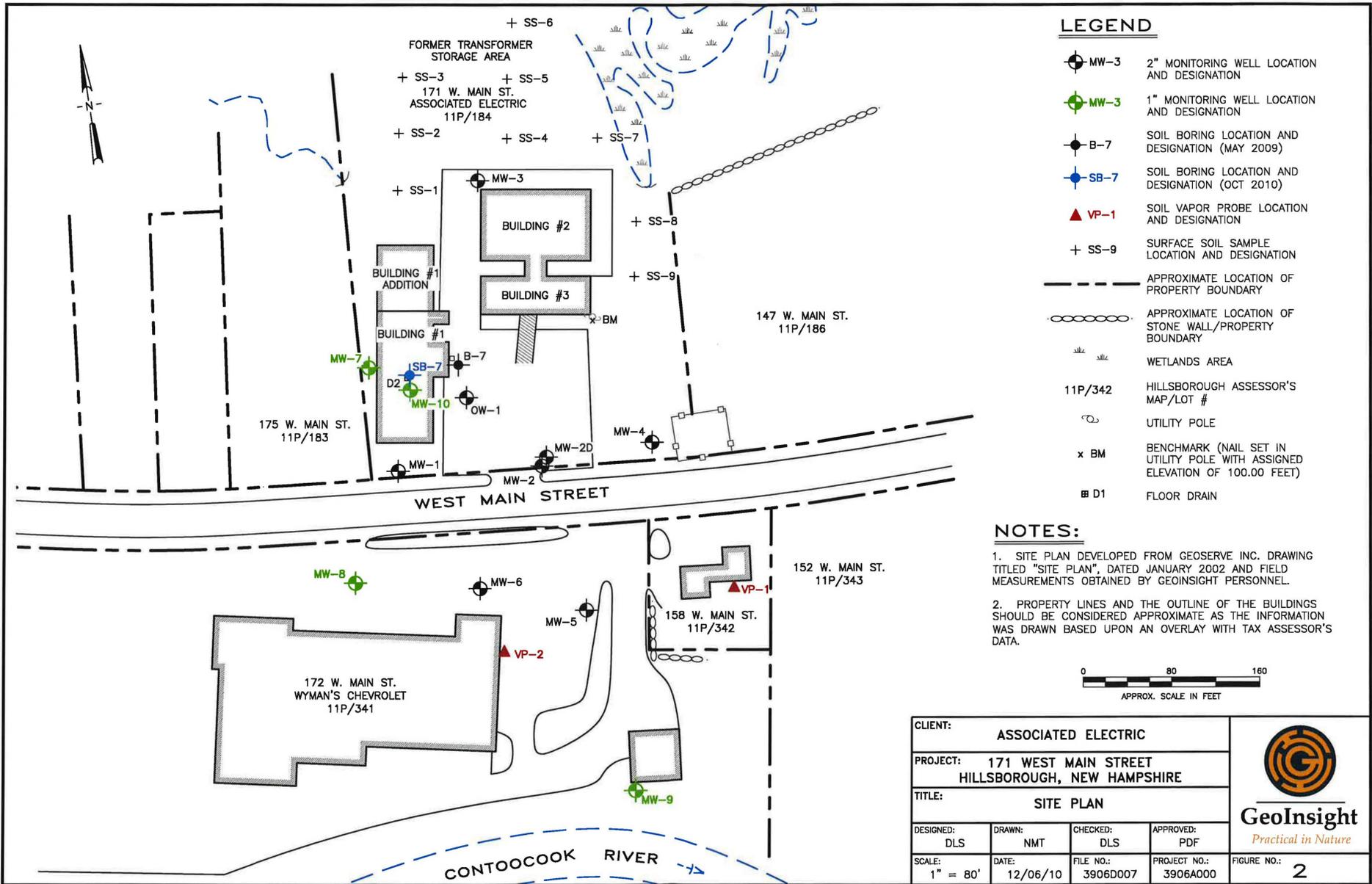
interpretations, conclusions, and recommendations that have relied on that information will be contingent on its validity.

8. The analyses contained in this report are based on the data obtained from the referenced subsurface explorations/sampling locations. The explorations/sampling locations indicate conditions only at the specific locations and times, and only to the depths penetrated. They do not necessarily reflect variations that may exist between such locations. The validity of the recommendations is based in part on assumptions Sanborn Head has made about conditions at the site. Such assumptions may be confirmed only during additional characterization, or remediation. If subsurface conditions different from those described become evident, the recommendations in this report must be re-evaluated. It is advised that Sanborn Head be retained to monitor the remediation in order to help confirm that our assumptions and recommendations are valid, or to modify them accordingly.
9. This report contains opinions of cost for the purpose of assessing remedial alternatives, and for preliminary planning purposes. These costs involve approximate quantity evaluations that are of insufficient accuracy to prepare a construction bid. Moreover, in preparing these opinions of cost, we have made a number of assumptions as to the actual conditions that will be encountered on and in the vicinity of the site, the specific decisions of the contractor/engineer, the means and methods of construction the contractor will employ, and the cost and extent of labor, equipment and materials that will be employed. Sanborn Head is not a construction cost estimator or construction contractor, nor should Sanborn Head's rendering of an opinion of construction costs be considered equivalent to the nature and extent of the service a construction cost estimator would provide. Since Sanborn Head has no control of the cost of labor or materials, the competitive bidding climate at the time of the bid, or the specific details of the design, Sanborn Head does not guarantee the accuracy of the cost estimates as compared to contractor's bids for construction/remediation work.
10. This report has been prepared for the exclusive use of the Town of Hillsborough, New Hampshire for the Associated Electric site located in Hillsborough, New Hampshire in accordance with generally accepted hydrogeologic and environmental practices. No warranty, express or implied, is made.

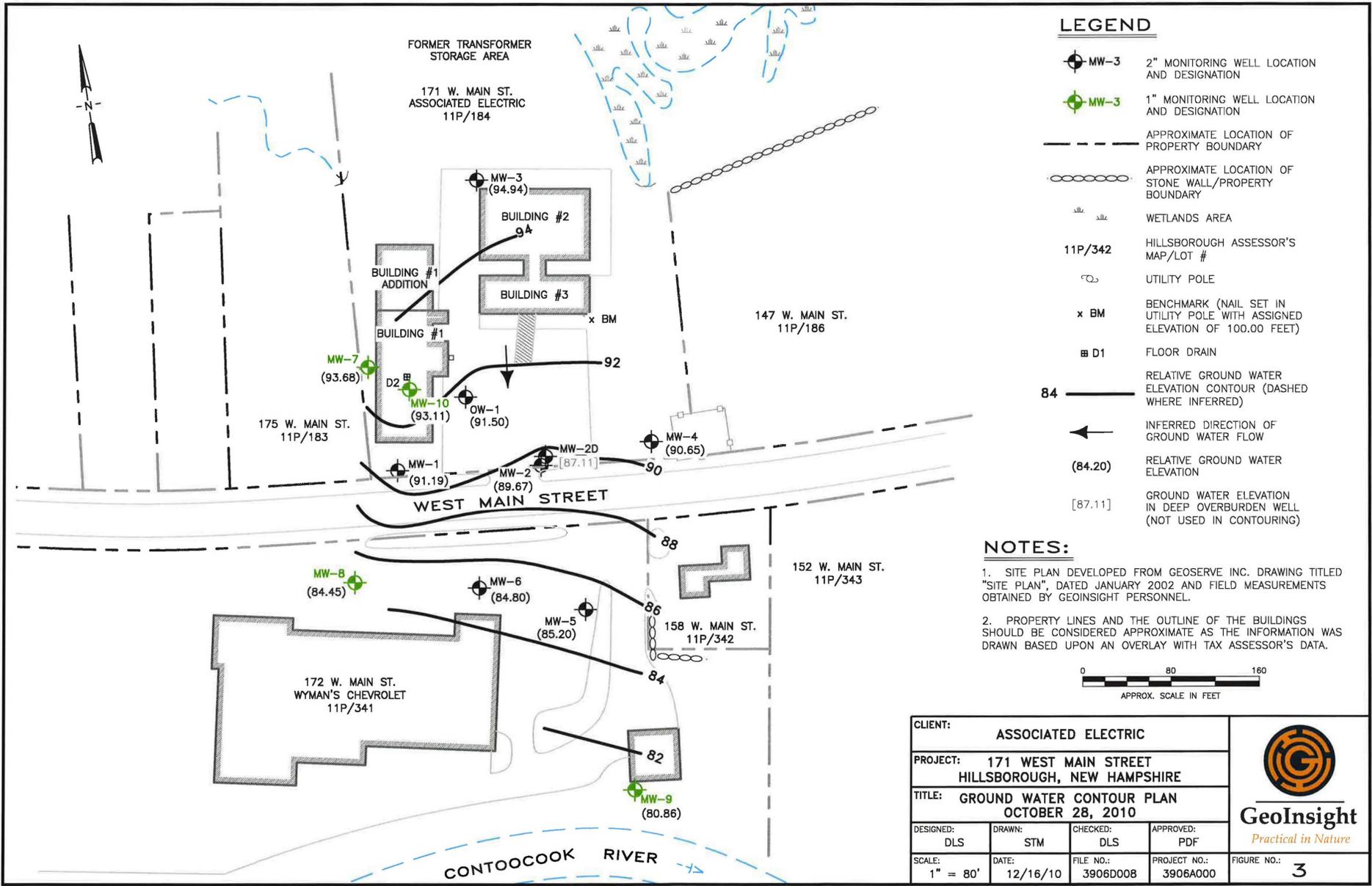
\\conserv1\shdata\4600s\4682.007\Source Files\ABCA Update\App A - Limitations\Appendix A - Limitations.docx

Appendix B

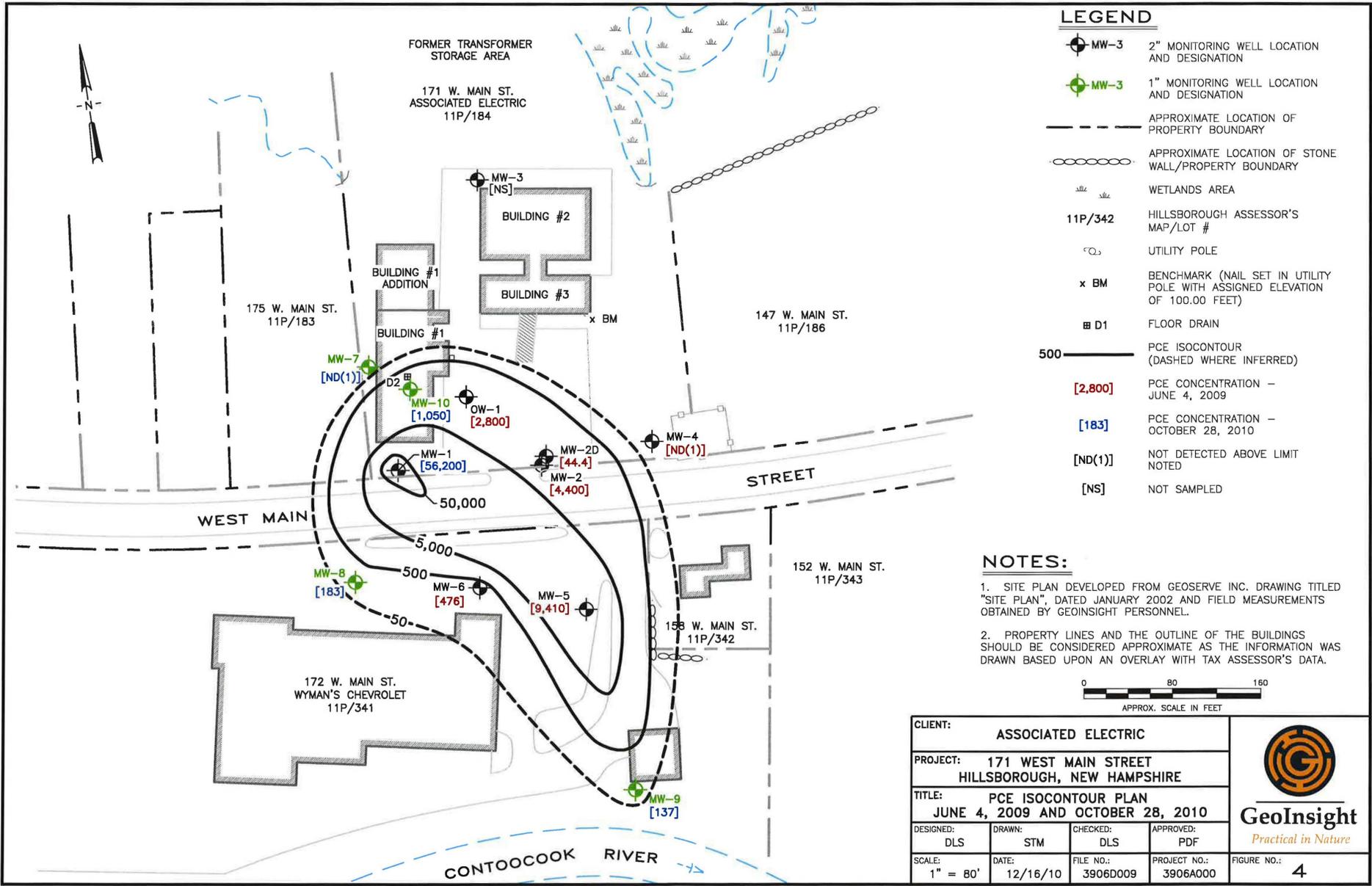
Figures from Historical Reports



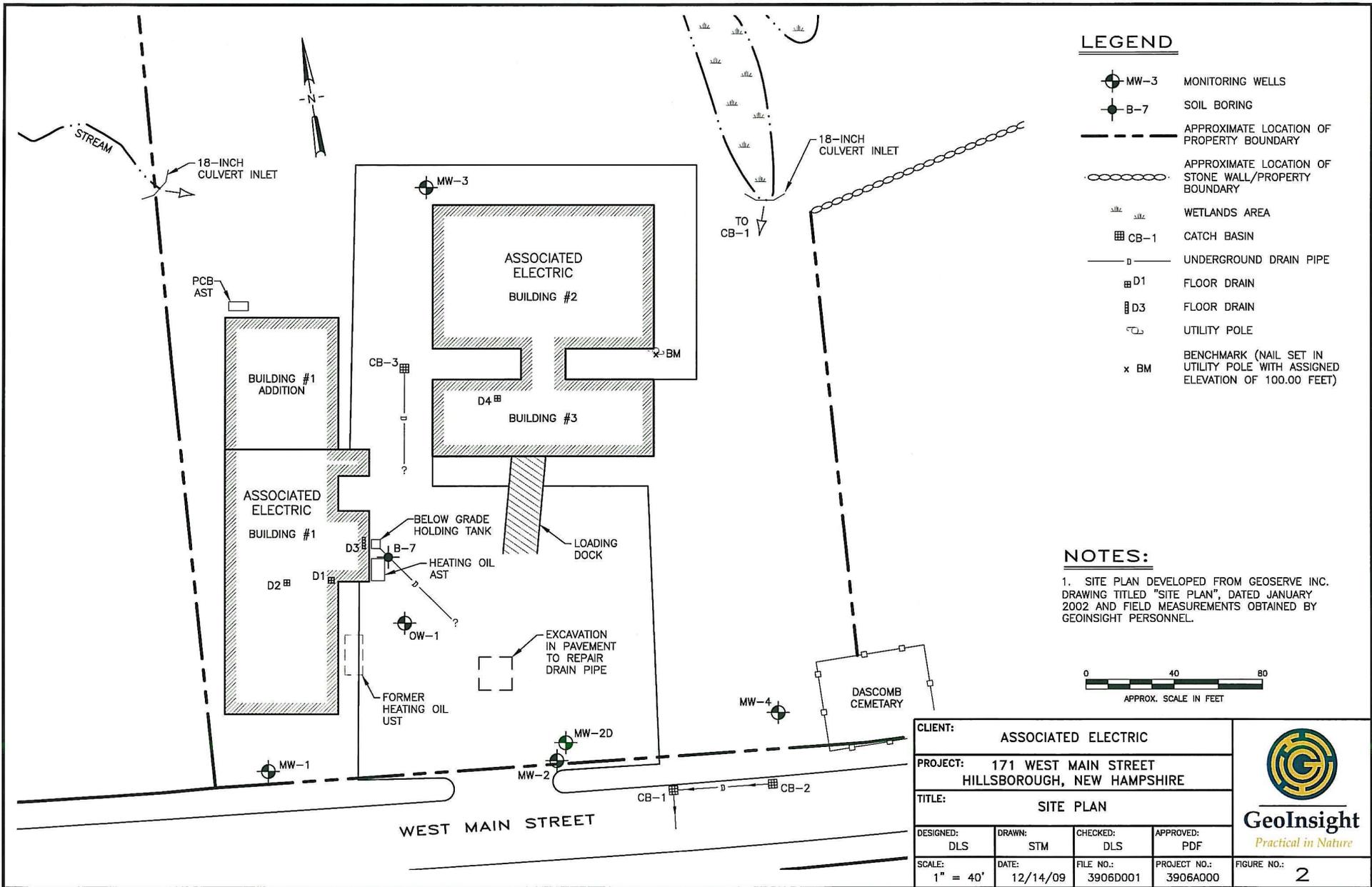
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PLOT DATE: 12-16-10
 FILE: L:\3906\3906D008.dwg



PLT DATE: 12-16-10
FILE: E:\3906\3906D009.dwg

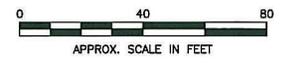


LEGEND

- MW-3 MONITORING WELLS
- B-7 SOIL BORING
- APPROXIMATE LOCATION OF PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF STONE WALL/PROPERTY BOUNDARY
- WETLANDS AREA
- CB-1 CATCH BASIN
- UNDERGROUND DRAIN PIPE
- D1 FLOOR DRAIN
- D3 FLOOR DRAIN
- UTILITY POLE
- BENCHMARK (NAIL SET IN UTILITY POLE WITH ASSIGNED ELEVATION OF 100.00 FEET)

NOTES:

1. SITE PLAN DEVELOPED FROM GEOSERVE INC. DRAWING TITLED "SITE PLAN", DATED JANUARY 2002 AND FIELD MEASUREMENTS OBTAINED BY GEOINSIGHT PERSONNEL.

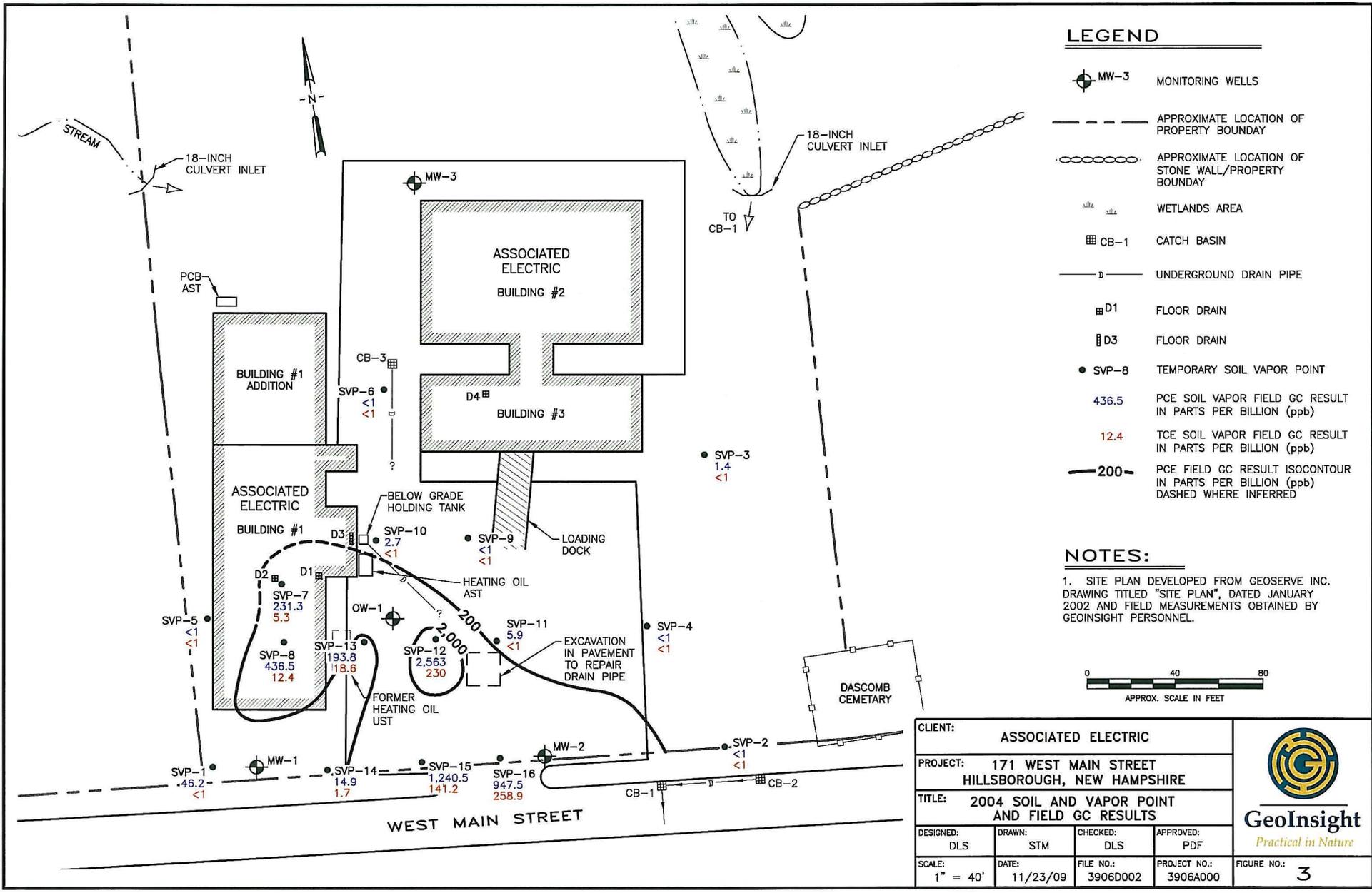


CLIENT: ASSOCIATED ELECTRIC			
PROJECT: 171 WEST MAIN STREET HILLSBOROUGH, NEW HAMPSHIRE			
TITLE: SITE PLAN			
DESIGNED: DLS	DRAWN: STM	CHECKED: DLS	APPROVED: PDF
SCALE: 1" = 40'	DATE: 12/14/09	FILE NO.: 3906D001	PROJECT NO.: 3906A000

GeoInsight
Practical in Nature

FIGURE NO.: 2

PLOT DATE: 12-14-09
 FILE: I:\Users\jgeorge\GeoInsight.dwg



PLOT DATE: 11-14-09
 FILE: L:\WORK\3906D002.dwg

171 W. MAIN ST.
ASSOCIATED ELECTRIC
11P/184

175 W. MAIN ST.
11P/183

147 W. MAIN ST.
11P/186

158 W. MAIN ST.
11P/342

152 W. MAIN ST.
11P/343

172 W. MAIN ST.
WYMAN'S CHEVROLET
11P/341

WEST MAIN STREET

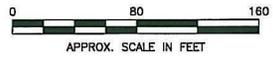
CONTOOCOOK RIVER

LEGEND

-  MW-3 MONITORING WELLS
-  B-7 SOIL BORING
-  APPROXIMATE LOCATION OF PROPERTY BOUNDARY
-  APPROXIMATE LOCATION OF STONE WALL/PROPERTY BOUNDARY
-  WETLANDS AREA
-  11P/342 HILLSBOROUGH ASSESSOR'S MAP/LOT #
-  UTILITY POLE
-  x BM BENCHMARK (NAIL SET IN UTILITY POLE WITH ASSIGNED ELEVATION OF 100.00 FEET)

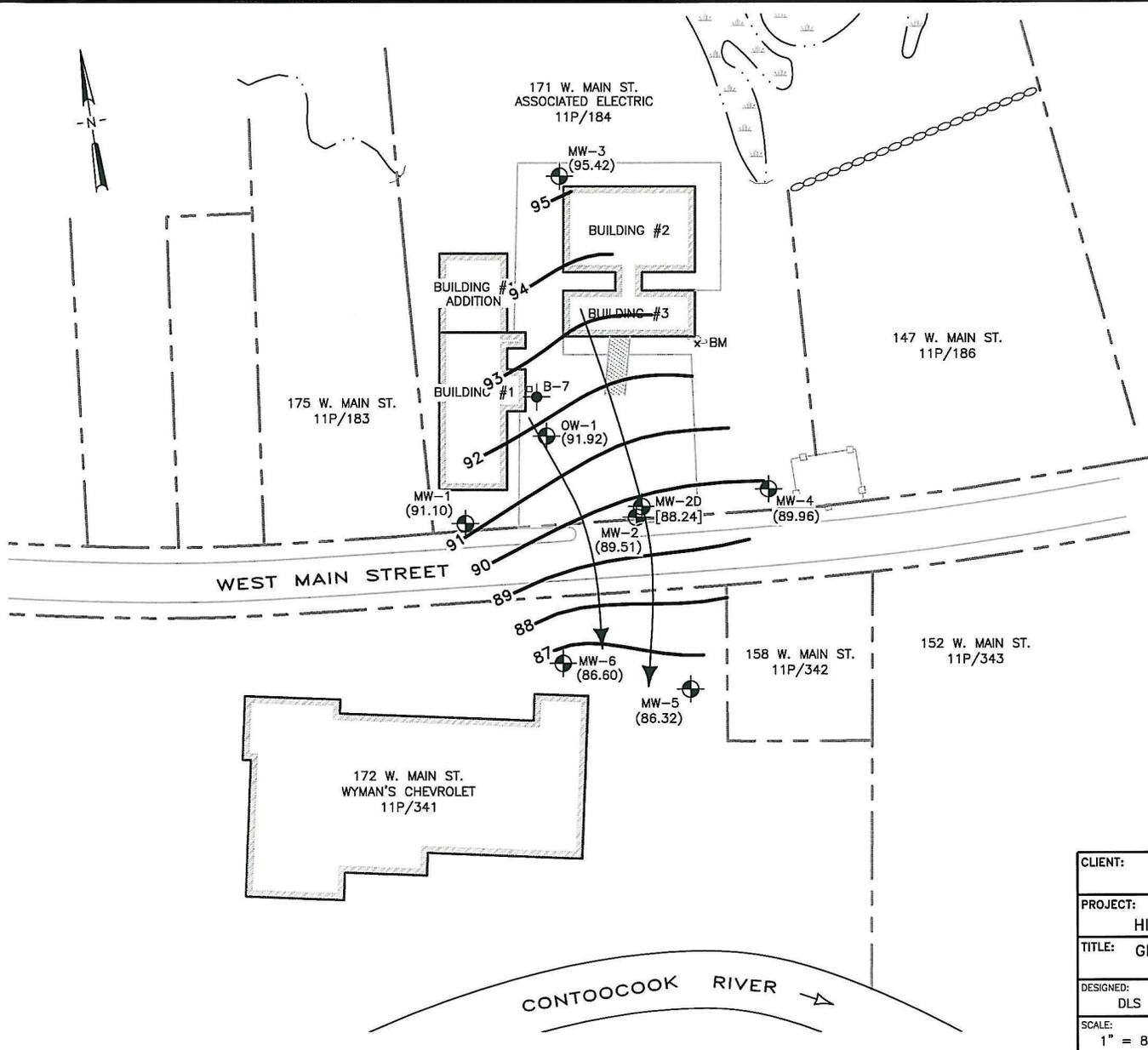
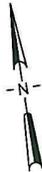
NOTES:

1. SITE PLAN DEVELOPED FROM GEOSERVE INC. DRAWING TITLED "SITE PLAN", DATED JANUARY 2002 AND FIELD MEASUREMENTS OBTAINED BY GEOINSIGHT PERSONNEL.
2. PROPERTY LINES AND THE OUTLINE OF THE WYMAN'S CHEVROLET BUILDING SHOULD BE CONSIDERED APPROXIMATE AS THE INFORMATION WAS DRAWN BASED UPON AN OVERLAY WITH TAX ASSESSOR'S DATA.



CLIENT: ASSOCIATED ELECTRIC				 GeoInsight <i>Practical in Nature</i>
PROJECT: 171 WEST MAIN STREET HILLSBOROUGH, NEW HAMPSHIRE				
TITLE: AREA SITE PLAN				
DESIGNED: DLS	DRAWN: STM	CHECKED: DLS	APPROVED: PDF	FIGURE NO.: 4
SCALE: 1" = 80'	DATE: 12/14/09	FILE NO.: 3906D003	PROJECT NO.: 3906A000	

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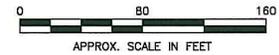


LEGEND

- MW-3 MONITORING WELLS
- B-7 SOIL BORING
- APPROXIMATE LOCATION OF PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF STONE WALL/PROPERTY BOUNDARY
- WETLANDS AREA
- 11P/342 HILLSBOROUGH ASSESSOR'S MAP/LOT #
- UTILITY POLE
- x BM BENCHMARK (NAIL SET IN UTILITY POLE WITH ASSIGNED ELEVATION OF 100.00 FEET)
- 91 RELATIVE GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- INFERRED DIRECTION OF GROUND WATER FLOW
- (86.32) RELATIVE GROUND WATER ELEVATION
- [88.24] ELEVATION NOT USED IN GROUND WATER CONTOURING

NOTES:

1. SITE PLAN DEVELOPED FROM GEOSERVE INC. DRAWING TITLED "SITE PLAN", DATED JANUARY 2002 AND FIELD MEASUREMENTS OBTAINED BY GEOINSIGHT PERSONNEL.
2. PROPERTY LINES AND THE OUTLINE OF THE WYMAN'S CHEVROLET BUILDING SHOULD BE CONSIDERED APPROXIMATE AS THE INFORMATION WAS DRAWN BASED UPON AN OVERLAY WITH TAX ASSESSOR'S DATA.



CLIENT: ASSOCIATED ELECTRIC			
PROJECT: 171 WEST MAIN STREET HILLSBOROUGH, NEW HAMPSHIRE			
TITLE: GROUND WATER CONTOUR PLAN JUNE 4, 2009			
DESIGNED: DLS	DRAWN: STM	CHECKED: DLS	APPROVED: PDF
SCALE: 1" = 80'	DATE: 12/14/09	FILE NO.: 3906D004	PROJECT NO.: 3906A000



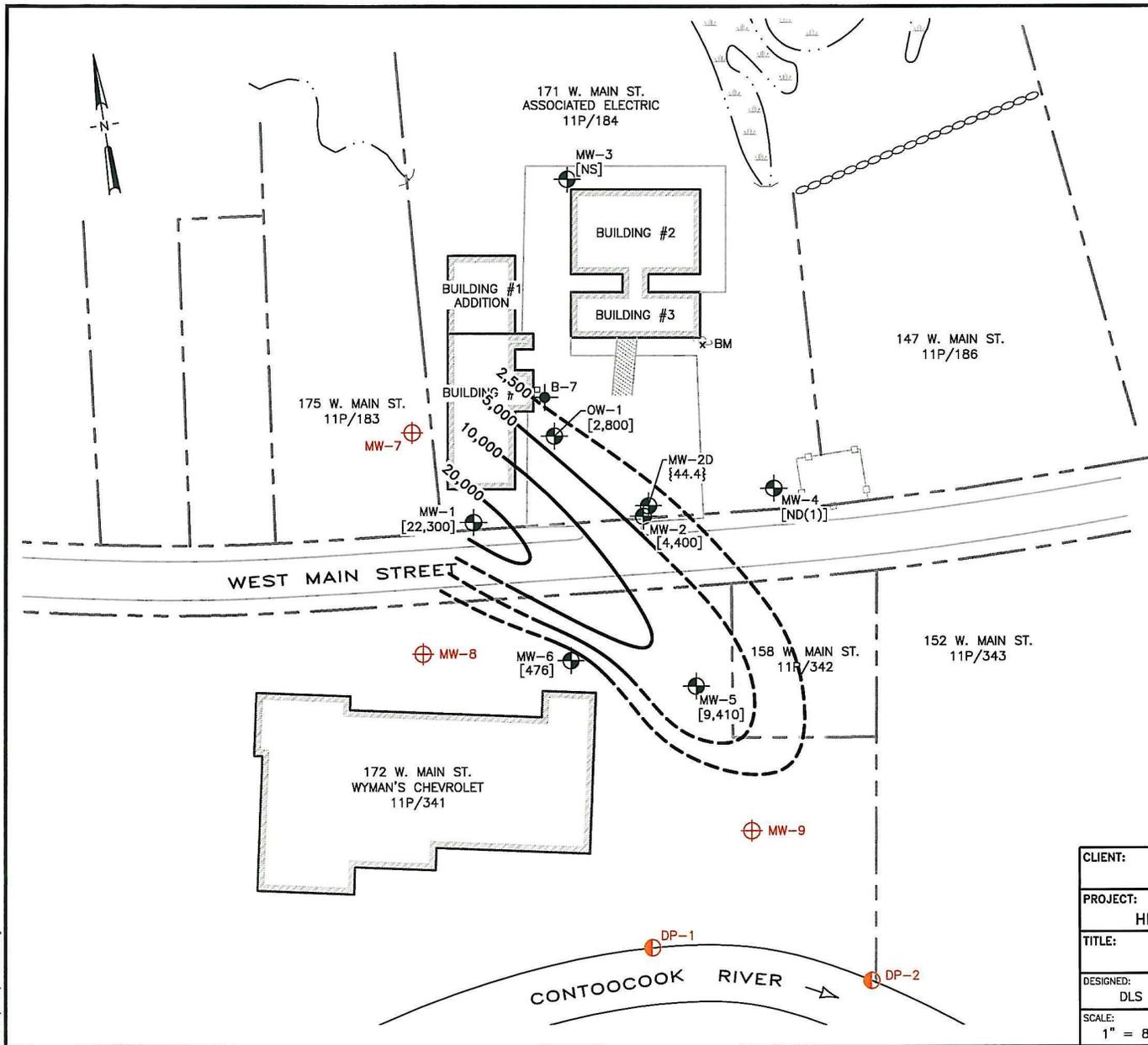
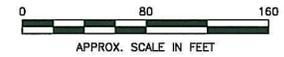
FIGURE NO.: 5

LEGEND

- MW-3 MONITORING WELLS
- B-7 SOIL BORING
- APPROXIMATE LOCATION OF PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF STONE WALL/PROPERTY BOUNDARY
- WETLANDS AREA
- 11P/342 HILLSBOROUGH ASSESSOR'S MAP/LOT #
- UTILITY POLE
- x BM BENCHMARK (NAIL SET IN UTILITY POLE WITH ASSIGNED ELEVATION OF 100.00 FEET)
- 5,000 PCE ISOCONTOUR (DASHED WHERE INFERRED)
- [476] PCE CONCENTRATION
- {44.4} PCE CONCENTRATION NOT USED IN CONTOURING
- [ND(1)] NOT DETECTED ABOVE LIMIT NOTED
- [NS] NOT SAMPLED
- MW-7 PROPOSED MONITORING WELL
- DP-1 PROPOSED DRIVE POINT

NOTES:

1. SITE PLAN DEVELOPED FROM GEOSERVE INC. DRAWING TITLED "SITE PLAN", DATED JANUARY 2002 AND FIELD MEASUREMENTS OBTAINED BY GEOINSIGHT PERSONNEL.
2. PROPERTY LINES AND THE OUTLINE OF THE WYMAN'S CHEVROLET BUILDING SHOULD BE CONSIDERED APPROXIMATE AS THE INFORMATION WAS DRAWN BASED UPON AN OVERLAY WITH TAX ASSESSOR'S DATA.



CLIENT: ASSOCIATED ELECTRIC			
PROJECT: 171 WEST MAIN STREET HILLSBOROUGH, NEW HAMPSHIRE			
TITLE: PCE ISOCONTOUR PLAN JUNE 4, 2009			
DESIGNED: DLS	DRAWN: STM	CHECKED: DLS	APPROVED: PDF
SCALE: 1" = 80'	DATE: 12/14/09	FILE NO.: 3906D005	PROJECT NO.: 3906A000
FIGURE NO.: 6			

PLOT DATE: 12-14-09
 FILE: H:\3906\3906D005.dwg

Appendix C

Laboratory Analytical Reports



ANALYTICAL REPORT

Lab Number:	L2545619
Client:	Sanborn, Head & Associates, Inc. 6 Bedford Farms Drive Suite 201 Bedford, NH 03110
ATTN:	Heidi Caprood
Phone:	(603) 229-1900
Project Name:	ASSOCIATED ELECTRIC
Project Number:	4682.007
Report Date:	08/07/25

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508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2545619-01	SH-01_0.4-0.9_20250721	SOIL	HILLSBOROUGH, NH	07/21/25 10:25	07/21/25
L2545619-02	SH-02_1.0-2.0_20250721	SOIL	HILLSBOROUGH, NH	07/21/25 10:00	07/21/25
L2545619-03	SH-03_1.0-2.0_20250721	SOIL	HILLSBOROUGH, NH	07/21/25 09:25	07/21/25
L2545619-04	SH-04_0.8-1.2_20250721	SOIL	HILLSBOROUGH, NH	07/21/25 11:35	07/21/25
L2545619-05	SH-05_0.2-0.7_20250721	SOIL	HILLSBOROUGH, NH	07/21/25 12:15	07/21/25
L2545619-06	SH-06_0.8-1.7_20250721	SOIL	HILLSBOROUGH, NH	07/21/25 12:50	07/21/25
L2545619-07	SH-07_0.6-1.5_20250721	SOIL	HILLSBOROUGH, NH	07/21/25 13:25	07/21/25
L2545619-08	SH-08_1.4-2.2_20250721	SOIL	HILLSBOROUGH, NH	07/21/25 13:55	07/21/25
L2545619-09	SH-11_1.0-1.8_20250721	SOIL	HILLSBOROUGH, NH	07/21/25 15:20	07/21/25
L2545619-10	SH-12_0.9-1.8_20250721	SOIL	HILLSBOROUGH, NH	07/21/25 14:55	07/21/25
L2545619-11	FD-1_20250721	SOIL	HILLSBOROUGH, NH	07/21/25 10:25	07/21/25
L2545619-12	TB-1_20250721	SOIL	HILLSBOROUGH, NH	07/21/25 15:45	07/21/25
L2545619-13	SH-04_1.2-2.2	SOIL	HILLSBOROUGH, NH	07/21/25 11:40	07/21/25
L2545619-14	SH-01A_1.5-2.5	SOIL	HILLSBOROUGH, NH	07/21/25 10:55	07/21/25
L2545619-15	TB-1_20250721 (AQUEUOS)	WATER	HILLSBOROUGH, NH	07/21/25 10:55	07/21/25

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Case Narrative (continued)

Sample Receipt

L2545619-15: A sample identified as "TB-1_20250721 (AQUEUOS)" was received, but not listed on the chain of custody. At the client's request, this sample was not analyzed.

Volatile Organics

L2545619-01, -05, and -14: The sample was analyzed as a High Level Methanol in order to quantitate results within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

L2545619-05D: The sample was analyzed with the method required holding time exceeded.

The WG2098695-5 Method Blank associated with L2545619-05, -11, and -14D has a concentration above the reporting limit for acetone. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

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

Authorized Signature:  Melissa Sturgis

Title: Technical Director/Representative

Date: 08/07/25

ORGANICS

VOLATILES

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-01
 Client ID: SH-01_0.4-0.9_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:25
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/30/25 14:06
 Analyst: JIC
 Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.58	--	1
Chloroform	ND		ug/kg	0.87	--	1
Carbon tetrachloride	ND		ug/kg	0.58	--	1
1,2-Dichloropropane	ND		ug/kg	0.58	--	1
Dibromochloromethane	ND		ug/kg	0.58	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.58	--	1
Tetrachloroethene	360	E	ug/kg	0.29	--	1
Chlorobenzene	ND		ug/kg	0.29	--	1
Trichlorofluoromethane	ND		ug/kg	2.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.58	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.29	--	1
Bromodichloromethane	ND		ug/kg	0.29	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.58	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.29	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.29	--	1
1,1-Dichloropropene	ND		ug/kg	0.29	--	1
Bromoform	ND		ug/kg	2.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.29	--	1
Benzene	ND		ug/kg	0.29	--	1
Toluene	ND		ug/kg	0.58	--	1
Ethylbenzene	ND		ug/kg	0.58	--	1
Chloromethane	ND		ug/kg	2.3	--	1
Bromomethane	ND		ug/kg	1.2	--	1
Vinyl chloride	ND		ug/kg	0.58	--	1
Chloroethane	ND		ug/kg	1.2	--	1
1,1-Dichloroethene	ND		ug/kg	0.58	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.87	--	1



Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-01
 Client ID: SH-01_0.4-0.9_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:25
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	2.0		ug/kg	0.29	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.2	--	1
Methyl tert butyl ether	ND		ug/kg	1.2	--	1
p/m-Xylene	ND		ug/kg	1.2	--	1
o-Xylene	ND		ug/kg	0.58	--	1
Xylenes, Total	ND		ug/kg	0.58	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.58	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.58	--	1
Dibromomethane	ND		ug/kg	1.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.2	--	1
Styrene	ND		ug/kg	0.58	--	1
Dichlorodifluoromethane	ND		ug/kg	5.8	--	1
Acetone	ND		ug/kg	14	--	1
Carbon disulfide	ND		ug/kg	5.8	--	1
2-Butanone	ND		ug/kg	5.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	5.8	--	1
2-Hexanone	ND		ug/kg	5.8	--	1
Bromochloromethane	ND		ug/kg	1.2	--	1
Tetrahydrofuran	ND		ug/kg	2.3	--	1
2,2-Dichloropropane	ND		ug/kg	1.2	--	1
1,2-Dibromoethane	ND		ug/kg	0.58	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.29	--	1
Bromobenzene	ND		ug/kg	1.2	--	1
n-Butylbenzene	ND		ug/kg	0.58	--	1
sec-Butylbenzene	ND		ug/kg	0.58	--	1
tert-Butylbenzene	ND		ug/kg	1.2	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.2	--	1
o-Chlorotoluene	ND		ug/kg	1.2	--	1
p-Chlorotoluene	ND		ug/kg	1.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.7	--	1
Hexachlorobutadiene	ND		ug/kg	2.3	--	1
Isopropylbenzene	ND		ug/kg	0.58	--	1
p-Isopropyltoluene	ND		ug/kg	0.58	--	1
Naphthalene	ND		ug/kg	2.3	--	1
n-Propylbenzene	ND		ug/kg	0.58	--	1



Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2545619**Project Number:** 4682.007**Report Date:** 08/07/25**SAMPLE RESULTS**

Lab ID: L2545619-01
 Client ID: SH-01_0.4-0.9_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:25
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.2	--	1
Ethyl ether	ND		ug/kg	1.2	--	1
Isopropyl Ether	ND		ug/kg	1.2	--	1
Tert-Butyl Alcohol	ND		ug/kg	12	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.2	--	1
1,4-Dioxane	ND		ug/kg	47	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	98		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-01
 Client ID: SH-01_0.4-0.9_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:25
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 08/01/25 00:00
 Analyst: JIC
 Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	220	--	1
1,1-Dichloroethane	ND		ug/kg	44	--	1
Chloroform	ND		ug/kg	65	--	1
Carbon tetrachloride	ND		ug/kg	44	--	1
1,2-Dichloropropane	ND		ug/kg	44	--	1
Dibromochloromethane	ND		ug/kg	44	--	1
1,1,2-Trichloroethane	ND		ug/kg	44	--	1
Tetrachloroethene	13000		ug/kg	22	--	1
Chlorobenzene	ND		ug/kg	22	--	1
Trichlorofluoromethane	ND		ug/kg	170	--	1
1,2-Dichloroethane	ND		ug/kg	44	--	1
1,1,1-Trichloroethane	ND		ug/kg	22	--	1
Bromodichloromethane	ND		ug/kg	22	--	1
trans-1,3-Dichloropropene	ND		ug/kg	44	--	1
cis-1,3-Dichloropropene	ND		ug/kg	22	--	1
1,3-Dichloropropene, Total	ND		ug/kg	22	--	1
1,1-Dichloropropene	ND		ug/kg	22	--	1
Bromoform	ND		ug/kg	170	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	22	--	1
Benzene	ND		ug/kg	22	--	1
Toluene	ND		ug/kg	44	--	1
Ethylbenzene	ND		ug/kg	44	--	1
Chloromethane	ND		ug/kg	170	--	1
Bromomethane	ND		ug/kg	87	--	1
Vinyl chloride	ND		ug/kg	44	--	1
Chloroethane	ND		ug/kg	87	--	1
1,1-Dichloroethene	ND		ug/kg	44	--	1
trans-1,2-Dichloroethene	ND		ug/kg	65	--	1



Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2545619**Project Number:** 4682.007**Report Date:** 08/07/25**SAMPLE RESULTS**

Lab ID: L2545619-01
 Client ID: SH-01_0.4-0.9_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:25
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	68		ug/kg	22	--	1
1,2-Dichlorobenzene	ND		ug/kg	87	--	1
1,3-Dichlorobenzene	ND		ug/kg	87	--	1
1,4-Dichlorobenzene	ND		ug/kg	87	--	1
Methyl tert butyl ether	ND		ug/kg	87	--	1
p/m-Xylene	ND		ug/kg	87	--	1
o-Xylene	ND		ug/kg	44	--	1
Xylenes, Total	ND		ug/kg	44	--	1
cis-1,2-Dichloroethene	ND		ug/kg	44	--	1
1,2-Dichloroethene, Total	ND		ug/kg	44	--	1
Dibromomethane	ND		ug/kg	87	--	1
1,2,3-Trichloropropane	ND		ug/kg	87	--	1
Styrene	ND		ug/kg	44	--	1
Dichlorodifluoromethane	ND		ug/kg	440	--	1
Acetone	ND		ug/kg	440	--	1
Carbon disulfide	ND		ug/kg	440	--	1
2-Butanone	ND		ug/kg	440	--	1
4-Methyl-2-pentanone	ND		ug/kg	440	--	1
2-Hexanone	ND		ug/kg	440	--	1
Bromochloromethane	ND		ug/kg	87	--	1
Tetrahydrofuran	ND		ug/kg	170	--	1
2,2-Dichloropropane	ND		ug/kg	87	--	1
1,2-Dibromoethane	ND		ug/kg	44	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	22	--	1
Bromobenzene	ND		ug/kg	87	--	1
n-Butylbenzene	ND		ug/kg	44	--	1
sec-Butylbenzene	ND		ug/kg	44	--	1
tert-Butylbenzene	ND		ug/kg	87	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	87	--	1
o-Chlorotoluene	ND		ug/kg	87	--	1
p-Chlorotoluene	ND		ug/kg	87	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	130	--	1
Hexachlorobutadiene	ND		ug/kg	170	--	1
Isopropylbenzene	ND		ug/kg	44	--	1
p-Isopropyltoluene	ND		ug/kg	44	--	1
Naphthalene	ND		ug/kg	170	--	1
n-Propylbenzene	ND		ug/kg	44	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-01
Client ID: SH-01_0.4-0.9_20250721
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:25
Date Received: 07/21/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	87	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	87	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	87	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	87	--	1
Ethyl ether	ND		ug/kg	87	--	1
Isopropyl Ether	ND		ug/kg	87	--	1
Tert-Butyl Alcohol	ND		ug/kg	870	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	87	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	87	--	1
1,4-Dioxane	ND		ug/kg	3500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	97		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-02
 Client ID: SH-02_1.0-2.0_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:00
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/30/25 14:32
 Analyst: JIC
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.58	--	1
Chloroform	ND		ug/kg	0.87	--	1
Carbon tetrachloride	ND		ug/kg	0.58	--	1
1,2-Dichloropropane	ND		ug/kg	0.58	--	1
Dibromochloromethane	ND		ug/kg	0.58	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.58	--	1
Tetrachloroethene	4.8		ug/kg	0.29	--	1
Chlorobenzene	ND		ug/kg	0.29	--	1
Trichlorofluoromethane	ND		ug/kg	2.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.58	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.29	--	1
Bromodichloromethane	ND		ug/kg	0.29	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.58	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.29	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.29	--	1
1,1-Dichloropropene	ND		ug/kg	0.29	--	1
Bromoform	ND		ug/kg	2.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.29	--	1
Benzene	ND		ug/kg	0.29	--	1
Toluene	ND		ug/kg	0.58	--	1
Ethylbenzene	ND		ug/kg	0.58	--	1
Chloromethane	ND		ug/kg	2.3	--	1
Bromomethane	ND		ug/kg	1.2	--	1
Vinyl chloride	ND		ug/kg	0.58	--	1
Chloroethane	ND		ug/kg	1.2	--	1
1,1-Dichloroethene	ND		ug/kg	0.58	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.87	--	1



Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-02
 Client ID: SH-02_1.0-2.0_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:00
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.29	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.2	--	1
Methyl tert butyl ether	ND		ug/kg	1.2	--	1
p/m-Xylene	ND		ug/kg	1.2	--	1
o-Xylene	ND		ug/kg	0.58	--	1
Xylenes, Total	ND		ug/kg	0.58	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.58	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.58	--	1
Dibromomethane	ND		ug/kg	1.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.2	--	1
Styrene	ND		ug/kg	0.58	--	1
Dichlorodifluoromethane	ND		ug/kg	5.8	--	1
Acetone	ND		ug/kg	14	--	1
Carbon disulfide	ND		ug/kg	5.8	--	1
2-Butanone	ND		ug/kg	5.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	5.8	--	1
2-Hexanone	ND		ug/kg	5.8	--	1
Bromochloromethane	ND		ug/kg	1.2	--	1
Tetrahydrofuran	ND		ug/kg	2.3	--	1
2,2-Dichloropropane	ND		ug/kg	1.2	--	1
1,2-Dibromoethane	ND		ug/kg	0.58	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.29	--	1
Bromobenzene	ND		ug/kg	1.2	--	1
n-Butylbenzene	ND		ug/kg	0.58	--	1
sec-Butylbenzene	ND		ug/kg	0.58	--	1
tert-Butylbenzene	ND		ug/kg	1.2	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.2	--	1
o-Chlorotoluene	ND		ug/kg	1.2	--	1
p-Chlorotoluene	ND		ug/kg	1.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.7	--	1
Hexachlorobutadiene	ND		ug/kg	2.3	--	1
Isopropylbenzene	ND		ug/kg	0.58	--	1
p-Isopropyltoluene	ND		ug/kg	0.58	--	1
Naphthalene	ND		ug/kg	2.3	--	1
n-Propylbenzene	ND		ug/kg	0.58	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-02
 Client ID: SH-02_1.0-2.0_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:00
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.2	--	1
Ethyl ether	ND		ug/kg	1.2	--	1
Isopropyl Ether	ND		ug/kg	1.2	--	1
Tert-Butyl Alcohol	ND		ug/kg	12	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.2	--	1
1,4-Dioxane	ND		ug/kg	46	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-03
 Client ID: SH-03_1.0-2.0_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 09:25
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/30/25 14:59
 Analyst: JIC
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.56	--	1
Chloroform	ND		ug/kg	0.83	--	1
Carbon tetrachloride	ND		ug/kg	0.56	--	1
1,2-Dichloropropane	ND		ug/kg	0.56	--	1
Dibromochloromethane	ND		ug/kg	0.56	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.56	--	1
Tetrachloroethene	3.8		ug/kg	0.28	--	1
Chlorobenzene	ND		ug/kg	0.28	--	1
Trichlorofluoromethane	ND		ug/kg	2.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.56	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.28	--	1
Bromodichloromethane	ND		ug/kg	0.28	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.56	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.28	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.28	--	1
1,1-Dichloropropene	ND		ug/kg	0.28	--	1
Bromoform	ND		ug/kg	2.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.28	--	1
Benzene	ND		ug/kg	0.28	--	1
Toluene	ND		ug/kg	0.56	--	1
Ethylbenzene	ND		ug/kg	0.56	--	1
Chloromethane	ND		ug/kg	2.2	--	1
Bromomethane	ND		ug/kg	1.1	--	1
Vinyl chloride	ND		ug/kg	0.56	--	1
Chloroethane	ND		ug/kg	1.1	--	1
1,1-Dichloroethene	ND		ug/kg	0.56	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.83	--	1



Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-03
 Client ID: SH-03_1.0-2.0_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 09:25
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.28	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.1	--	1
Methyl tert butyl ether	ND		ug/kg	1.1	--	1
p/m-Xylene	ND		ug/kg	1.1	--	1
o-Xylene	ND		ug/kg	0.56	--	1
Xylenes, Total	ND		ug/kg	0.56	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.56	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.56	--	1
Dibromomethane	ND		ug/kg	1.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.1	--	1
Styrene	ND		ug/kg	0.56	--	1
Dichlorodifluoromethane	ND		ug/kg	5.6	--	1
Acetone	ND		ug/kg	14	--	1
Carbon disulfide	ND		ug/kg	5.6	--	1
2-Butanone	ND		ug/kg	5.6	--	1
4-Methyl-2-pentanone	ND		ug/kg	5.6	--	1
2-Hexanone	ND		ug/kg	5.6	--	1
Bromochloromethane	ND		ug/kg	1.1	--	1
Tetrahydrofuran	ND		ug/kg	2.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.1	--	1
1,2-Dibromoethane	ND		ug/kg	0.56	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.28	--	1
Bromobenzene	ND		ug/kg	1.1	--	1
n-Butylbenzene	ND		ug/kg	0.56	--	1
sec-Butylbenzene	ND		ug/kg	0.56	--	1
tert-Butylbenzene	ND		ug/kg	1.1	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.1	--	1
o-Chlorotoluene	ND		ug/kg	1.1	--	1
p-Chlorotoluene	ND		ug/kg	1.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.7	--	1
Hexachlorobutadiene	ND		ug/kg	2.2	--	1
Isopropylbenzene	ND		ug/kg	0.56	--	1
p-Isopropyltoluene	ND		ug/kg	0.56	--	1
Naphthalene	ND		ug/kg	2.2	--	1
n-Propylbenzene	ND		ug/kg	0.56	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-03
 Client ID: SH-03_1.0-2.0_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 09:25
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.1	--	1
Ethyl ether	ND		ug/kg	1.1	--	1
Isopropyl Ether	ND		ug/kg	1.1	--	1
Tert-Butyl Alcohol	ND		ug/kg	11	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.1	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.1	--	1
1,4-Dioxane	ND		ug/kg	44	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-04 D2
 Client ID: SH-04_0.8-1.2_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 11:35
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 08/01/25 01:17
 Analyst: JIC
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Tetrachloroethene	40000		ug/kg	230	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-04 D
 Client ID: SH-04_0.8-1.2_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 11:35
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/30/25 17:39
 Analyst: JIC
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	460	--	2
1,1-Dichloroethane	ND		ug/kg	93	--	2
Chloroform	ND		ug/kg	140	--	2
Carbon tetrachloride	ND		ug/kg	93	--	2
1,2-Dichloropropane	ND		ug/kg	93	--	2
Dibromochloromethane	ND		ug/kg	93	--	2
1,1,2-Trichloroethane	ND		ug/kg	93	--	2
Tetrachloroethene	37000	E	ug/kg	46	--	2
Chlorobenzene	ND		ug/kg	46	--	2
Trichlorofluoromethane	ND		ug/kg	370	--	2
1,2-Dichloroethane	ND		ug/kg	93	--	2
1,1,1-Trichloroethane	ND		ug/kg	46	--	2
Bromodichloromethane	ND		ug/kg	46	--	2
trans-1,3-Dichloropropene	ND		ug/kg	93	--	2
cis-1,3-Dichloropropene	ND		ug/kg	46	--	2
1,3-Dichloropropene, Total	ND		ug/kg	46	--	2
1,1-Dichloropropene	ND		ug/kg	46	--	2
Bromoform	ND		ug/kg	370	--	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	46	--	2
Benzene	ND		ug/kg	46	--	2
Toluene	ND		ug/kg	93	--	2
Ethylbenzene	ND		ug/kg	93	--	2
Chloromethane	ND		ug/kg	370	--	2
Bromomethane	ND		ug/kg	190	--	2
Vinyl chloride	ND		ug/kg	93	--	2
Chloroethane	ND		ug/kg	190	--	2
1,1-Dichloroethene	ND		ug/kg	93	--	2
trans-1,2-Dichloroethene	ND		ug/kg	140	--	2



Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2545619**Project Number:** 4682.007**Report Date:** 08/07/25**SAMPLE RESULTS**

Lab ID: L2545619-04 D
 Client ID: SH-04_0.8-1.2_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 11:35
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	3900		ug/kg	46	--	2
1,2-Dichlorobenzene	ND		ug/kg	190	--	2
1,3-Dichlorobenzene	ND		ug/kg	190	--	2
1,4-Dichlorobenzene	ND		ug/kg	190	--	2
Methyl tert butyl ether	ND		ug/kg	190	--	2
p/m-Xylene	ND		ug/kg	190	--	2
o-Xylene	ND		ug/kg	93	--	2
Xylenes, Total	ND		ug/kg	93	--	2
cis-1,2-Dichloroethene	1500		ug/kg	93	--	2
1,2-Dichloroethene, Total	1500		ug/kg	93	--	2
Dibromomethane	ND		ug/kg	190	--	2
1,2,3-Trichloropropane	ND		ug/kg	190	--	2
Styrene	ND		ug/kg	93	--	2
Dichlorodifluoromethane	ND		ug/kg	930	--	2
Acetone	ND		ug/kg	930	--	2
Carbon disulfide	ND		ug/kg	930	--	2
2-Butanone	ND		ug/kg	930	--	2
4-Methyl-2-pentanone	ND		ug/kg	930	--	2
2-Hexanone	ND		ug/kg	930	--	2
Bromochloromethane	ND		ug/kg	190	--	2
Tetrahydrofuran	ND		ug/kg	370	--	2
2,2-Dichloropropane	ND		ug/kg	190	--	2
1,2-Dibromoethane	ND		ug/kg	93	--	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	46	--	2
Bromobenzene	ND		ug/kg	190	--	2
n-Butylbenzene	ND		ug/kg	93	--	2
sec-Butylbenzene	ND		ug/kg	93	--	2
tert-Butylbenzene	ND		ug/kg	190	--	2
1,3,5-Trichlorobenzene	ND		ug/kg	190	--	2
o-Chlorotoluene	ND		ug/kg	190	--	2
p-Chlorotoluene	ND		ug/kg	190	--	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	280	--	2
Hexachlorobutadiene	ND		ug/kg	370	--	2
Isopropylbenzene	ND		ug/kg	93	--	2
p-Isopropyltoluene	ND		ug/kg	93	--	2
Naphthalene	ND		ug/kg	370	--	2
n-Propylbenzene	ND		ug/kg	93	--	2



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-04 D
 Client ID: SH-04_0.8-1.2_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 11:35
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	190	--	2
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	2
1,3,5-Trimethylbenzene	ND		ug/kg	190	--	2
1,2,4-Trimethylbenzene	ND		ug/kg	190	--	2
Ethyl ether	ND		ug/kg	190	--	2
Isopropyl Ether	ND		ug/kg	190	--	2
Tert-Butyl Alcohol	ND		ug/kg	1900	--	2
Ethyl-Tert-Butyl-Ether	ND		ug/kg	190	--	2
Tertiary-Amyl Methyl Ether	ND		ug/kg	190	--	2
1,4-Dioxane	ND		ug/kg	7400	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-05
 Client ID: SH-05_0.2-0.7_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 12:15
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 08/02/25 18:24
 Analyst: JIC
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.57	--	1
Chloroform	ND		ug/kg	0.86	--	1
Carbon tetrachloride	ND		ug/kg	0.57	--	1
1,2-Dichloropropane	ND		ug/kg	0.57	--	1
Dibromochloromethane	ND		ug/kg	0.57	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.57	--	1
Tetrachloroethene	800	E	ug/kg	0.29	--	1
Chlorobenzene	ND		ug/kg	0.29	--	1
Trichlorofluoromethane	ND		ug/kg	2.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.57	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.29	--	1
Bromodichloromethane	ND		ug/kg	0.29	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.57	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.29	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.29	--	1
1,1-Dichloropropene	ND		ug/kg	0.29	--	1
Bromoform	ND		ug/kg	2.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.29	--	1
Benzene	ND		ug/kg	0.29	--	1
Toluene	ND		ug/kg	0.57	--	1
Ethylbenzene	ND		ug/kg	0.57	--	1
Chloromethane	ND		ug/kg	2.3	--	1
Bromomethane	ND		ug/kg	1.1	--	1
Vinyl chloride	ND		ug/kg	0.57	--	1
Chloroethane	ND		ug/kg	1.1	--	1
1,1-Dichloroethene	ND		ug/kg	0.57	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.86	--	1



Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-05
 Client ID: SH-05_0.2-0.7_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 12:15
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	58		ug/kg	0.29	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.1	--	1
Methyl tert butyl ether	ND		ug/kg	1.1	--	1
p/m-Xylene	ND		ug/kg	1.1	--	1
o-Xylene	ND		ug/kg	0.57	--	1
Xylenes, Total	ND		ug/kg	0.57	--	1
cis-1,2-Dichloroethene	24		ug/kg	0.57	--	1
1,2-Dichloroethene, Total	24		ug/kg	0.57	--	1
Dibromomethane	ND		ug/kg	1.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.1	--	1
Styrene	ND		ug/kg	0.57	--	1
Dichlorodifluoromethane	ND		ug/kg	5.7	--	1
Acetone	ND		ug/kg	14	--	1
Carbon disulfide	ND		ug/kg	5.7	--	1
2-Butanone	ND		ug/kg	5.7	--	1
4-Methyl-2-pentanone	ND		ug/kg	5.7	--	1
2-Hexanone	ND		ug/kg	5.7	--	1
Bromochloromethane	ND		ug/kg	1.1	--	1
Tetrahydrofuran	ND		ug/kg	2.3	--	1
2,2-Dichloropropane	ND		ug/kg	1.1	--	1
1,2-Dibromoethane	ND		ug/kg	0.57	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.29	--	1
Bromobenzene	ND		ug/kg	1.1	--	1
n-Butylbenzene	ND		ug/kg	0.57	--	1
sec-Butylbenzene	ND		ug/kg	0.57	--	1
tert-Butylbenzene	ND		ug/kg	1.1	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.1	--	1
o-Chlorotoluene	ND		ug/kg	1.1	--	1
p-Chlorotoluene	ND		ug/kg	1.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.7	--	1
Hexachlorobutadiene	ND		ug/kg	2.3	--	1
Isopropylbenzene	ND		ug/kg	0.57	--	1
p-Isopropyltoluene	ND		ug/kg	0.57	--	1
Naphthalene	ND		ug/kg	2.3	--	1
n-Propylbenzene	ND		ug/kg	0.57	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-05
 Client ID: SH-05_0.2-0.7_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 12:15
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.1	--	1
Ethyl ether	ND		ug/kg	1.1	--	1
Isopropyl Ether	ND		ug/kg	1.1	--	1
Tert-Butyl Alcohol	ND		ug/kg	11	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.1	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.1	--	1
1,4-Dioxane	ND		ug/kg	46	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	122		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	94		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-05
 Client ID: SH-05_0.2-0.7_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 12:15
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 08/02/25 18:50
 Analyst: JIC
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	200	--	1
1,1-Dichloroethane	ND		ug/kg	41	--	1
Chloroform	81		ug/kg	62	--	1
Carbon tetrachloride	ND		ug/kg	41	--	1
1,2-Dichloropropane	ND		ug/kg	41	--	1
Dibromochloromethane	ND		ug/kg	41	--	1
1,1,2-Trichloroethane	ND		ug/kg	41	--	1
Tetrachloroethene	120000	E	ug/kg	20	--	1
Chlorobenzene	ND		ug/kg	20	--	1
Trichlorofluoromethane	ND		ug/kg	160	--	1
1,2-Dichloroethane	ND		ug/kg	41	--	1
1,1,1-Trichloroethane	ND		ug/kg	20	--	1
Bromodichloromethane	ND		ug/kg	20	--	1
trans-1,3-Dichloropropene	ND		ug/kg	41	--	1
cis-1,3-Dichloropropene	ND		ug/kg	20	--	1
1,3-Dichloropropene, Total	ND		ug/kg	20	--	1
1,1-Dichloropropene	ND		ug/kg	20	--	1
Bromoform	ND		ug/kg	160	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	20	--	1
Benzene	ND		ug/kg	20	--	1
Toluene	57		ug/kg	41	--	1
Ethylbenzene	ND		ug/kg	41	--	1
Chloromethane	ND		ug/kg	160	--	1
Bromomethane	ND		ug/kg	82	--	1
Vinyl chloride	ND		ug/kg	41	--	1
Chloroethane	ND		ug/kg	82	--	1
1,1-Dichloroethene	ND		ug/kg	41	--	1
trans-1,2-Dichloroethene	120		ug/kg	62	--	1



Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2545619**Project Number:** 4682.007**Report Date:** 08/07/25**SAMPLE RESULTS**

Lab ID: L2545619-05
 Client ID: SH-05_0.2-0.7_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 12:15
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	12000		ug/kg	20	--	1
1,2-Dichlorobenzene	ND		ug/kg	82	--	1
1,3-Dichlorobenzene	ND		ug/kg	82	--	1
1,4-Dichlorobenzene	ND		ug/kg	82	--	1
Methyl tert butyl ether	ND		ug/kg	82	--	1
p/m-Xylene	ND		ug/kg	82	--	1
o-Xylene	ND		ug/kg	41	--	1
Xylenes, Total	ND		ug/kg	41	--	1
cis-1,2-Dichloroethene	4400		ug/kg	41	--	1
1,2-Dichloroethene, Total	4500		ug/kg	41	--	1
Dibromomethane	ND		ug/kg	82	--	1
1,2,3-Trichloropropane	ND		ug/kg	82	--	1
Styrene	ND		ug/kg	41	--	1
Dichlorodifluoromethane	ND		ug/kg	410	--	1
Acetone	ND		ug/kg	410	--	1
Carbon disulfide	ND		ug/kg	410	--	1
2-Butanone	ND		ug/kg	410	--	1
4-Methyl-2-pentanone	ND		ug/kg	410	--	1
2-Hexanone	ND		ug/kg	410	--	1
Bromochloromethane	ND		ug/kg	82	--	1
Tetrahydrofuran	ND		ug/kg	160	--	1
2,2-Dichloropropane	ND		ug/kg	82	--	1
1,2-Dibromoethane	ND		ug/kg	41	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	20	--	1
Bromobenzene	ND		ug/kg	82	--	1
n-Butylbenzene	ND		ug/kg	41	--	1
sec-Butylbenzene	ND		ug/kg	41	--	1
tert-Butylbenzene	ND		ug/kg	82	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	82	--	1
o-Chlorotoluene	ND		ug/kg	82	--	1
p-Chlorotoluene	ND		ug/kg	82	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	120	--	1
Hexachlorobutadiene	ND		ug/kg	160	--	1
Isopropylbenzene	ND		ug/kg	41	--	1
p-Isopropyltoluene	ND		ug/kg	41	--	1
Naphthalene	ND		ug/kg	160	--	1
n-Propylbenzene	ND		ug/kg	41	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-05
 Client ID: SH-05_0.2-0.7_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 12:15
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	82	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	82	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	82	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	82	--	1
Ethyl ether	ND		ug/kg	82	--	1
Isopropyl Ether	ND		ug/kg	82	--	1
Tert-Butyl Alcohol	ND		ug/kg	820	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	82	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	82	--	1
1,4-Dioxane	ND		ug/kg	3300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	90		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-05 D
 Client ID: SH-05_0.2-0.7_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 12:15
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 08/06/25 16:52
 Analyst: JIC
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
--	--	--	--	--	--	--

Tetrachloroethene	210000		ug/kg	2000	--	100
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-06
 Client ID: SH-06_0.8-1.7_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 12:50
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/30/25 18:32
 Analyst: JIC
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	190	--	1
1,1-Dichloroethane	ND		ug/kg	38	--	1
Chloroform	ND		ug/kg	57	--	1
Carbon tetrachloride	ND		ug/kg	38	--	1
1,2-Dichloropropane	ND		ug/kg	38	--	1
Dibromochloromethane	ND		ug/kg	38	--	1
1,1,2-Trichloroethane	ND		ug/kg	38	--	1
Tetrachloroethene	4100		ug/kg	19	--	1
Chlorobenzene	ND		ug/kg	19	--	1
Trichlorofluoromethane	ND		ug/kg	150	--	1
1,2-Dichloroethane	ND		ug/kg	38	--	1
1,1,1-Trichloroethane	ND		ug/kg	19	--	1
Bromodichloromethane	ND		ug/kg	19	--	1
trans-1,3-Dichloropropene	ND		ug/kg	38	--	1
cis-1,3-Dichloropropene	ND		ug/kg	19	--	1
1,3-Dichloropropene, Total	ND		ug/kg	19	--	1
1,1-Dichloropropene	ND		ug/kg	19	--	1
Bromoform	ND		ug/kg	150	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	19	--	1
Benzene	ND		ug/kg	19	--	1
Toluene	ND		ug/kg	38	--	1
Ethylbenzene	ND		ug/kg	38	--	1
Chloromethane	ND		ug/kg	150	--	1
Bromomethane	ND		ug/kg	76	--	1
Vinyl chloride	ND		ug/kg	38	--	1
Chloroethane	ND		ug/kg	76	--	1
1,1-Dichloroethene	ND		ug/kg	38	--	1
trans-1,2-Dichloroethene	ND		ug/kg	57	--	1



Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2545619**Project Number:** 4682.007**Report Date:** 08/07/25**SAMPLE RESULTS**

Lab ID: L2545619-06
 Client ID: SH-06_0.8-1.7_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 12:50
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	230		ug/kg	19	--	1
1,2-Dichlorobenzene	ND		ug/kg	76	--	1
1,3-Dichlorobenzene	ND		ug/kg	76	--	1
1,4-Dichlorobenzene	ND		ug/kg	76	--	1
Methyl tert butyl ether	ND		ug/kg	76	--	1
p/m-Xylene	ND		ug/kg	76	--	1
o-Xylene	ND		ug/kg	38	--	1
Xylenes, Total	ND		ug/kg	38	--	1
cis-1,2-Dichloroethene	62		ug/kg	38	--	1
1,2-Dichloroethene, Total	62		ug/kg	38	--	1
Dibromomethane	ND		ug/kg	76	--	1
1,2,3-Trichloropropane	ND		ug/kg	76	--	1
Styrene	ND		ug/kg	38	--	1
Dichlorodifluoromethane	ND		ug/kg	380	--	1
Acetone	ND		ug/kg	380	--	1
Carbon disulfide	ND		ug/kg	380	--	1
2-Butanone	ND		ug/kg	380	--	1
4-Methyl-2-pentanone	ND		ug/kg	380	--	1
2-Hexanone	ND		ug/kg	380	--	1
Bromochloromethane	ND		ug/kg	76	--	1
Tetrahydrofuran	ND		ug/kg	150	--	1
2,2-Dichloropropane	ND		ug/kg	76	--	1
1,2-Dibromoethane	ND		ug/kg	38	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	19	--	1
Bromobenzene	ND		ug/kg	76	--	1
n-Butylbenzene	ND		ug/kg	38	--	1
sec-Butylbenzene	ND		ug/kg	38	--	1
tert-Butylbenzene	ND		ug/kg	76	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	76	--	1
o-Chlorotoluene	ND		ug/kg	76	--	1
p-Chlorotoluene	ND		ug/kg	76	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	110	--	1
Hexachlorobutadiene	ND		ug/kg	150	--	1
Isopropylbenzene	ND		ug/kg	38	--	1
p-Isopropyltoluene	ND		ug/kg	38	--	1
Naphthalene	ND		ug/kg	150	--	1
n-Propylbenzene	ND		ug/kg	38	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-06
Client ID: SH-06_0.8-1.7_20250721
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 12:50
Date Received: 07/21/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	76	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	76	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	76	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	76	--	1
Ethyl ether	ND		ug/kg	76	--	1
Isopropyl Ether	ND		ug/kg	76	--	1
Tert-Butyl Alcohol	ND		ug/kg	760	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	76	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	76	--	1
1,4-Dioxane	ND		ug/kg	3000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-07
 Client ID: SH-07_0.6-1.5_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 13:25
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/30/25 15:25
 Analyst: JIC
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.56	--	1
Chloroform	ND		ug/kg	0.85	--	1
Carbon tetrachloride	ND		ug/kg	0.56	--	1
1,2-Dichloropropane	ND		ug/kg	0.56	--	1
Dibromochloromethane	ND		ug/kg	0.56	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.56	--	1
Tetrachloroethene	0.77		ug/kg	0.28	--	1
Chlorobenzene	ND		ug/kg	0.28	--	1
Trichlorofluoromethane	ND		ug/kg	2.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.56	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.28	--	1
Bromodichloromethane	ND		ug/kg	0.28	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.56	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.28	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.28	--	1
1,1-Dichloropropene	ND		ug/kg	0.28	--	1
Bromoform	ND		ug/kg	2.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.28	--	1
Benzene	ND		ug/kg	0.28	--	1
Toluene	ND		ug/kg	0.56	--	1
Ethylbenzene	ND		ug/kg	0.56	--	1
Chloromethane	ND		ug/kg	2.2	--	1
Bromomethane	ND		ug/kg	1.1	--	1
Vinyl chloride	ND		ug/kg	0.56	--	1
Chloroethane	ND		ug/kg	1.1	--	1
1,1-Dichloroethene	ND		ug/kg	0.56	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.85	--	1

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-07
 Client ID: SH-07_0.6-1.5_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 13:25
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.28	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.1	--	1
Methyl tert butyl ether	ND		ug/kg	1.1	--	1
p/m-Xylene	ND		ug/kg	1.1	--	1
o-Xylene	ND		ug/kg	0.56	--	1
Xylenes, Total	ND		ug/kg	0.56	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.56	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.56	--	1
Dibromomethane	ND		ug/kg	1.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.1	--	1
Styrene	ND		ug/kg	0.56	--	1
Dichlorodifluoromethane	ND		ug/kg	5.6	--	1
Acetone	ND		ug/kg	14	--	1
Carbon disulfide	ND		ug/kg	5.6	--	1
2-Butanone	ND		ug/kg	5.6	--	1
4-Methyl-2-pentanone	ND		ug/kg	5.6	--	1
2-Hexanone	ND		ug/kg	5.6	--	1
Bromochloromethane	ND		ug/kg	1.1	--	1
Tetrahydrofuran	ND		ug/kg	2.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.1	--	1
1,2-Dibromoethane	ND		ug/kg	0.56	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.28	--	1
Bromobenzene	ND		ug/kg	1.1	--	1
n-Butylbenzene	ND		ug/kg	0.56	--	1
sec-Butylbenzene	ND		ug/kg	0.56	--	1
tert-Butylbenzene	ND		ug/kg	1.1	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.1	--	1
o-Chlorotoluene	ND		ug/kg	1.1	--	1
p-Chlorotoluene	ND		ug/kg	1.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.7	--	1
Hexachlorobutadiene	ND		ug/kg	2.2	--	1
Isopropylbenzene	ND		ug/kg	0.56	--	1
p-Isopropyltoluene	ND		ug/kg	0.56	--	1
Naphthalene	ND		ug/kg	2.2	--	1
n-Propylbenzene	ND		ug/kg	0.56	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-07
 Client ID: SH-07_0.6-1.5_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 13:25
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.1	--	1
Ethyl ether	ND		ug/kg	1.1	--	1
Isopropyl Ether	ND		ug/kg	1.1	--	1
Tert-Butyl Alcohol	ND		ug/kg	11	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.1	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.1	--	1
1,4-Dioxane	ND		ug/kg	45	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-08
 Client ID: SH-08_1.4-2.2_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 13:55
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/30/25 15:52
 Analyst: JIC
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.52	--	1
Chloroform	ND		ug/kg	0.79	--	1
Carbon tetrachloride	ND		ug/kg	0.52	--	1
1,2-Dichloropropane	ND		ug/kg	0.52	--	1
Dibromochloromethane	ND		ug/kg	0.52	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.52	--	1
Tetrachloroethene	ND		ug/kg	0.26	--	1
Chlorobenzene	ND		ug/kg	0.26	--	1
Trichlorofluoromethane	ND		ug/kg	2.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.52	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.26	--	1
Bromodichloromethane	ND		ug/kg	0.26	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.52	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.26	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.26	--	1
1,1-Dichloropropene	ND		ug/kg	0.26	--	1
Bromoform	ND		ug/kg	2.1	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.26	--	1
Benzene	ND		ug/kg	0.26	--	1
Toluene	ND		ug/kg	0.52	--	1
Ethylbenzene	ND		ug/kg	0.52	--	1
Chloromethane	ND		ug/kg	2.1	--	1
Bromomethane	ND		ug/kg	1.0	--	1
Vinyl chloride	ND		ug/kg	0.52	--	1
Chloroethane	ND		ug/kg	1.0	--	1
1,1-Dichloroethene	ND		ug/kg	0.52	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.79	--	1



Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2545619**Project Number:** 4682.007**Report Date:** 08/07/25**SAMPLE RESULTS**

Lab ID: L2545619-08
 Client ID: SH-08_1.4-2.2_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 13:55
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.26	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.0	--	1
Methyl tert butyl ether	ND		ug/kg	1.0	--	1
p/m-Xylene	ND		ug/kg	1.0	--	1
o-Xylene	ND		ug/kg	0.52	--	1
Xylenes, Total	ND		ug/kg	0.52	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.52	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.52	--	1
Dibromomethane	ND		ug/kg	1.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.0	--	1
Styrene	ND		ug/kg	0.52	--	1
Dichlorodifluoromethane	ND		ug/kg	5.2	--	1
Acetone	ND		ug/kg	13	--	1
Carbon disulfide	ND		ug/kg	5.2	--	1
2-Butanone	ND		ug/kg	5.2	--	1
4-Methyl-2-pentanone	ND		ug/kg	5.2	--	1
2-Hexanone	ND		ug/kg	5.2	--	1
Bromochloromethane	ND		ug/kg	1.0	--	1
Tetrahydrofuran	ND		ug/kg	2.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.0	--	1
1,2-Dibromoethane	ND		ug/kg	0.52	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.26	--	1
Bromobenzene	ND		ug/kg	1.0	--	1
n-Butylbenzene	ND		ug/kg	0.52	--	1
sec-Butylbenzene	ND		ug/kg	0.52	--	1
tert-Butylbenzene	ND		ug/kg	1.0	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.0	--	1
o-Chlorotoluene	ND		ug/kg	1.0	--	1
p-Chlorotoluene	ND		ug/kg	1.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.6	--	1
Hexachlorobutadiene	ND		ug/kg	2.1	--	1
Isopropylbenzene	ND		ug/kg	0.52	--	1
p-Isopropyltoluene	ND		ug/kg	0.52	--	1
Naphthalene	ND		ug/kg	2.1	--	1
n-Propylbenzene	ND		ug/kg	0.52	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-08
 Client ID: SH-08_1.4-2.2_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 13:55
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.0	--	1
Ethyl ether	ND		ug/kg	1.0	--	1
Isopropyl Ether	ND		ug/kg	1.0	--	1
Tert-Butyl Alcohol	ND		ug/kg	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.0	--	1
1,4-Dioxane	ND		ug/kg	42	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-09
 Client ID: SH-11_1.0-1.8_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 15:20
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 08/02/25 17:57
 Analyst: JIC
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.7	--	1
1,1-Dichloroethane	ND		ug/kg	0.53	--	1
Chloroform	ND		ug/kg	0.80	--	1
Carbon tetrachloride	ND		ug/kg	0.53	--	1
1,2-Dichloropropane	ND		ug/kg	0.53	--	1
Dibromochloromethane	ND		ug/kg	0.53	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.53	--	1
Tetrachloroethene	2.5		ug/kg	0.27	--	1
Chlorobenzene	ND		ug/kg	0.27	--	1
Trichlorofluoromethane	ND		ug/kg	2.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.53	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.27	--	1
Bromodichloromethane	ND		ug/kg	0.27	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.53	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.27	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.27	--	1
1,1-Dichloropropene	ND		ug/kg	0.27	--	1
Bromoform	ND		ug/kg	2.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.27	--	1
Benzene	ND		ug/kg	0.27	--	1
Toluene	ND		ug/kg	0.53	--	1
Ethylbenzene	ND		ug/kg	0.53	--	1
Chloromethane	ND		ug/kg	2.1	--	1
Bromomethane	ND		ug/kg	1.1	--	1
Vinyl chloride	ND		ug/kg	0.53	--	1
Chloroethane	ND		ug/kg	1.1	--	1
1,1-Dichloroethene	ND		ug/kg	0.53	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.80	--	1



Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-09
 Client ID: SH-11_1.0-1.8_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 15:20
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.27	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.1	--	1
Methyl tert butyl ether	ND		ug/kg	1.1	--	1
p/m-Xylene	ND		ug/kg	1.1	--	1
o-Xylene	ND		ug/kg	0.53	--	1
Xylenes, Total	ND		ug/kg	0.53	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.53	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.53	--	1
Dibromomethane	ND		ug/kg	1.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.1	--	1
Styrene	ND		ug/kg	0.53	--	1
Dichlorodifluoromethane	ND		ug/kg	5.3	--	1
Acetone	ND		ug/kg	13	--	1
Carbon disulfide	ND		ug/kg	5.3	--	1
2-Butanone	ND		ug/kg	5.3	--	1
4-Methyl-2-pentanone	ND		ug/kg	5.3	--	1
2-Hexanone	ND		ug/kg	5.3	--	1
Bromochloromethane	ND		ug/kg	1.1	--	1
Tetrahydrofuran	ND		ug/kg	2.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.1	--	1
1,2-Dibromoethane	ND		ug/kg	0.53	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.27	--	1
Bromobenzene	ND		ug/kg	1.1	--	1
n-Butylbenzene	ND		ug/kg	0.53	--	1
sec-Butylbenzene	ND		ug/kg	0.53	--	1
tert-Butylbenzene	ND		ug/kg	1.1	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.1	--	1
o-Chlorotoluene	ND		ug/kg	1.1	--	1
p-Chlorotoluene	ND		ug/kg	1.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.6	--	1
Hexachlorobutadiene	ND		ug/kg	2.1	--	1
Isopropylbenzene	ND		ug/kg	0.53	--	1
p-Isopropyltoluene	ND		ug/kg	0.53	--	1
Naphthalene	ND		ug/kg	2.1	--	1
n-Propylbenzene	ND		ug/kg	0.53	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-09
 Client ID: SH-11_1.0-1.8_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 15:20
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.1	--	1
Ethyl ether	ND		ug/kg	1.1	--	1
Isopropyl Ether	ND		ug/kg	1.1	--	1
Tert-Butyl Alcohol	ND		ug/kg	11	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.1	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.1	--	1
1,4-Dioxane	ND		ug/kg	43	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-10
 Client ID: SH-12_0.9-1.8_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 14:55
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/30/25 16:18
 Analyst: JIC
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.67	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.67	--	1
1,2-Dichloropropane	ND		ug/kg	0.67	--	1
Dibromochloromethane	ND		ug/kg	0.67	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.67	--	1
Tetrachloroethene	0.90		ug/kg	0.34	--	1
Chlorobenzene	ND		ug/kg	0.34	--	1
Trichlorofluoromethane	ND		ug/kg	2.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.67	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.34	--	1
Bromodichloromethane	ND		ug/kg	0.34	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.67	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.34	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.34	--	1
1,1-Dichloropropene	ND		ug/kg	0.34	--	1
Bromoform	ND		ug/kg	2.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Benzene	ND		ug/kg	0.34	--	1
Toluene	ND		ug/kg	0.67	--	1
Ethylbenzene	ND		ug/kg	0.67	--	1
Chloromethane	ND		ug/kg	2.7	--	1
Bromomethane	ND		ug/kg	1.3	--	1
Vinyl chloride	ND		ug/kg	0.67	--	1
Chloroethane	ND		ug/kg	1.3	--	1
1,1-Dichloroethene	ND		ug/kg	0.67	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1



Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-10
 Client ID: SH-12_0.9-1.8_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 14:55
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.34	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.3	--	1
Methyl tert butyl ether	ND		ug/kg	1.3	--	1
p/m-Xylene	ND		ug/kg	1.3	--	1
o-Xylene	ND		ug/kg	0.67	--	1
Xylenes, Total	ND		ug/kg	0.67	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.67	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.67	--	1
Dibromomethane	ND		ug/kg	1.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.3	--	1
Styrene	ND		ug/kg	0.67	--	1
Dichlorodifluoromethane	ND		ug/kg	6.7	--	1
Acetone	ND		ug/kg	17	--	1
Carbon disulfide	ND		ug/kg	6.7	--	1
2-Butanone	ND		ug/kg	6.7	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.7	--	1
2-Hexanone	ND		ug/kg	6.7	--	1
Bromochloromethane	ND		ug/kg	1.3	--	1
Tetrahydrofuran	ND		ug/kg	2.7	--	1
2,2-Dichloropropane	ND		ug/kg	1.3	--	1
1,2-Dibromoethane	ND		ug/kg	0.67	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Bromobenzene	ND		ug/kg	1.3	--	1
n-Butylbenzene	ND		ug/kg	0.67	--	1
sec-Butylbenzene	ND		ug/kg	0.67	--	1
tert-Butylbenzene	ND		ug/kg	1.3	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.3	--	1
o-Chlorotoluene	ND		ug/kg	1.3	--	1
p-Chlorotoluene	ND		ug/kg	1.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.0	--	1
Hexachlorobutadiene	ND		ug/kg	2.7	--	1
Isopropylbenzene	ND		ug/kg	0.67	--	1
p-Isopropyltoluene	ND		ug/kg	0.67	--	1
Naphthalene	ND		ug/kg	2.7	--	1
n-Propylbenzene	ND		ug/kg	0.67	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-10
 Client ID: SH-12_0.9-1.8_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 14:55
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.3	--	1
Ethyl ether	ND		ug/kg	1.3	--	1
Isopropyl Ether	ND		ug/kg	1.3	--	1
Tert-Butyl Alcohol	ND		ug/kg	13	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.3	--	1
1,4-Dioxane	ND		ug/kg	54	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-11
 Client ID: FD-1_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:25
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 08/02/25 19:17
 Analyst: JIC
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	200	--	1
1,1-Dichloroethane	ND		ug/kg	40	--	1
Chloroform	ND		ug/kg	59	--	1
Carbon tetrachloride	ND		ug/kg	40	--	1
1,2-Dichloropropane	ND		ug/kg	40	--	1
Dibromochloromethane	ND		ug/kg	40	--	1
1,1,2-Trichloroethane	ND		ug/kg	40	--	1
Tetrachloroethene	8400		ug/kg	20	--	1
Chlorobenzene	ND		ug/kg	20	--	1
Trichlorofluoromethane	ND		ug/kg	160	--	1
1,2-Dichloroethane	ND		ug/kg	40	--	1
1,1,1-Trichloroethane	ND		ug/kg	20	--	1
Bromodichloromethane	ND		ug/kg	20	--	1
trans-1,3-Dichloropropene	ND		ug/kg	40	--	1
cis-1,3-Dichloropropene	ND		ug/kg	20	--	1
1,3-Dichloropropene, Total	ND		ug/kg	20	--	1
1,1-Dichloropropene	ND		ug/kg	20	--	1
Bromoform	ND		ug/kg	160	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	20	--	1
Benzene	ND		ug/kg	20	--	1
Toluene	ND		ug/kg	40	--	1
Ethylbenzene	ND		ug/kg	40	--	1
Chloromethane	ND		ug/kg	160	--	1
Bromomethane	ND		ug/kg	79	--	1
Vinyl chloride	ND		ug/kg	40	--	1
Chloroethane	ND		ug/kg	79	--	1
1,1-Dichloroethene	ND		ug/kg	40	--	1
trans-1,2-Dichloroethene	ND		ug/kg	59	--	1



Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2545619**Project Number:** 4682.007**Report Date:** 08/07/25**SAMPLE RESULTS**

Lab ID: L2545619-11
 Client ID: FD-1_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:25
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	57		ug/kg	20	--	1
1,2-Dichlorobenzene	ND		ug/kg	79	--	1
1,3-Dichlorobenzene	ND		ug/kg	79	--	1
1,4-Dichlorobenzene	ND		ug/kg	79	--	1
Methyl tert butyl ether	ND		ug/kg	79	--	1
p/m-Xylene	ND		ug/kg	79	--	1
o-Xylene	ND		ug/kg	40	--	1
Xylenes, Total	ND		ug/kg	40	--	1
cis-1,2-Dichloroethene	ND		ug/kg	40	--	1
1,2-Dichloroethene, Total	ND		ug/kg	40	--	1
Dibromomethane	ND		ug/kg	79	--	1
1,2,3-Trichloropropane	ND		ug/kg	79	--	1
Styrene	ND		ug/kg	40	--	1
Dichlorodifluoromethane	ND		ug/kg	400	--	1
Acetone	ND		ug/kg	400	--	1
Carbon disulfide	ND		ug/kg	400	--	1
2-Butanone	ND		ug/kg	400	--	1
4-Methyl-2-pentanone	ND		ug/kg	400	--	1
2-Hexanone	ND		ug/kg	400	--	1
Bromochloromethane	ND		ug/kg	79	--	1
Tetrahydrofuran	ND		ug/kg	160	--	1
2,2-Dichloropropane	ND		ug/kg	79	--	1
1,2-Dibromoethane	ND		ug/kg	40	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	20	--	1
Bromobenzene	ND		ug/kg	79	--	1
n-Butylbenzene	ND		ug/kg	40	--	1
sec-Butylbenzene	ND		ug/kg	40	--	1
tert-Butylbenzene	ND		ug/kg	79	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	79	--	1
o-Chlorotoluene	ND		ug/kg	79	--	1
p-Chlorotoluene	ND		ug/kg	79	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	120	--	1
Hexachlorobutadiene	ND		ug/kg	160	--	1
Isopropylbenzene	ND		ug/kg	40	--	1
p-Isopropyltoluene	ND		ug/kg	40	--	1
Naphthalene	ND		ug/kg	160	--	1
n-Propylbenzene	ND		ug/kg	40	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-11
Client ID: FD-1_20250721
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:25
Date Received: 07/21/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	79	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	79	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	79	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	79	--	1
Ethyl ether	ND		ug/kg	79	--	1
Isopropyl Ether	ND		ug/kg	79	--	1
Tert-Butyl Alcohol	ND		ug/kg	790	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	79	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	79	--	1
1,4-Dioxane	ND		ug/kg	3200	--	1

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

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-12
 Client ID: TB-1_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 15:45
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/30/25 13:39
 Analyst: JIC
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	1.0	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.50	--	1
Chlorobenzene	ND		ug/kg	0.50	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	--	1
Bromodichloromethane	ND		ug/kg	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--	1
1,1-Dichloropropene	ND		ug/kg	0.50	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Benzene	ND		ug/kg	0.50	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	1.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-12
Client ID: TB-1_20250721
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 15:45
Date Received: 07/21/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	1.0	--	1
Xylenes, Total	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	2.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	--	1
Styrene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	25	--	1
Carbon disulfide	ND		ug/kg	10	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
Tetrahydrofuran	ND		ug/kg	4.0	--	1
2,2-Dichloropropane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Bromobenzene	ND		ug/kg	2.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	2.0	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1
p-Chlorotoluene	ND		ug/kg	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	4.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-12
 Client ID: TB-1_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 15:45
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--	1
Ethyl ether	ND		ug/kg	2.0	--	1
Isopropyl Ether	ND		ug/kg	2.0	--	1
Tert-Butyl Alcohol	ND		ug/kg	20	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--	1
1,4-Dioxane	ND		ug/kg	80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-12
 Client ID: TB-1_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 15:45
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 08/01/25 01:43
 Analyst: JIC
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	250	--	1
1,1-Dichloroethane	ND		ug/kg	50	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	50	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	50	--	1
Tetrachloroethene	ND		ug/kg	25	--	1
Chlorobenzene	ND		ug/kg	25	--	1
Trichlorofluoromethane	ND		ug/kg	200	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	25	--	1
Bromodichloromethane	ND		ug/kg	25	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	25	--	1
1,3-Dichloropropene, Total	ND		ug/kg	25	--	1
1,1-Dichloropropene	ND		ug/kg	25	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--	1
Benzene	ND		ug/kg	25	--	1
Toluene	ND		ug/kg	50	--	1
Ethylbenzene	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Bromomethane	ND		ug/kg	100	--	1
Vinyl chloride	ND		ug/kg	50	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1



Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-12
 Client ID: TB-1_20250721
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 15:45
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	25	--	1
1,2-Dichlorobenzene	ND		ug/kg	100	--	1
1,3-Dichlorobenzene	ND		ug/kg	100	--	1
1,4-Dichlorobenzene	ND		ug/kg	100	--	1
Methyl tert butyl ether	ND		ug/kg	100	--	1
p/m-Xylene	ND		ug/kg	100	--	1
o-Xylene	ND		ug/kg	50	--	1
Xylenes, Total	ND		ug/kg	50	--	1
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
1,2-Dichloroethene, Total	ND		ug/kg	50	--	1
Dibromomethane	ND		ug/kg	100	--	1
1,2,3-Trichloropropane	ND		ug/kg	100	--	1
Styrene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
Acetone	ND		ug/kg	500	--	1
Carbon disulfide	ND		ug/kg	500	--	1
2-Butanone	ND		ug/kg	500	--	1
4-Methyl-2-pentanone	ND		ug/kg	500	--	1
2-Hexanone	ND		ug/kg	500	--	1
Bromochloromethane	ND		ug/kg	100	--	1
Tetrahydrofuran	ND		ug/kg	200	--	1
2,2-Dichloropropane	ND		ug/kg	100	--	1
1,2-Dibromoethane	ND		ug/kg	50	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--	1
Bromobenzene	ND		ug/kg	100	--	1
n-Butylbenzene	ND		ug/kg	50	--	1
sec-Butylbenzene	ND		ug/kg	50	--	1
tert-Butylbenzene	ND		ug/kg	100	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	100	--	1
o-Chlorotoluene	ND		ug/kg	100	--	1
p-Chlorotoluene	ND		ug/kg	100	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Isopropylbenzene	ND		ug/kg	50	--	1
p-Isopropyltoluene	ND		ug/kg	50	--	1
Naphthalene	ND		ug/kg	200	--	1
n-Propylbenzene	ND		ug/kg	50	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-12
Client ID: TB-1_20250721
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 15:45
Date Received: 07/21/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	100	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	100	--	1
Ethyl ether	ND		ug/kg	100	--	1
Isopropyl Ether	ND		ug/kg	100	--	1
Tert-Butyl Alcohol	ND		ug/kg	1000	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--	1
1,4-Dioxane	ND		ug/kg	4000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	93		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-13
 Client ID: SH-04_1.2-2.2
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 11:40
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/30/25 17:12
 Analyst: JIC
 Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.55	--	1
Chloroform	ND		ug/kg	0.83	--	1
Carbon tetrachloride	ND		ug/kg	0.55	--	1
1,2-Dichloropropane	ND		ug/kg	0.55	--	1
Dibromochloromethane	ND		ug/kg	0.55	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.55	--	1
Tetrachloroethene	4.4		ug/kg	0.28	--	1
Chlorobenzene	ND		ug/kg	0.28	--	1
Trichlorofluoromethane	ND		ug/kg	2.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.55	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.28	--	1
Bromodichloromethane	ND		ug/kg	0.28	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.55	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.28	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.28	--	1
1,1-Dichloropropene	ND		ug/kg	0.28	--	1
Bromoform	ND		ug/kg	2.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.28	--	1
Benzene	ND		ug/kg	0.28	--	1
Toluene	ND		ug/kg	0.55	--	1
Ethylbenzene	ND		ug/kg	0.55	--	1
Chloromethane	ND		ug/kg	2.2	--	1
Bromomethane	ND		ug/kg	1.1	--	1
Vinyl chloride	ND		ug/kg	0.55	--	1
Chloroethane	ND		ug/kg	1.1	--	1
1,1-Dichloroethene	ND		ug/kg	0.55	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.83	--	1

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-13
 Client ID: SH-04_1.2-2.2
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 11:40
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.28	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.1	--	1
Methyl tert butyl ether	ND		ug/kg	1.1	--	1
p/m-Xylene	ND		ug/kg	1.1	--	1
o-Xylene	ND		ug/kg	0.55	--	1
Xylenes, Total	ND		ug/kg	0.55	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.55	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.55	--	1
Dibromomethane	ND		ug/kg	1.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.1	--	1
Styrene	ND		ug/kg	0.55	--	1
Dichlorodifluoromethane	ND		ug/kg	5.5	--	1
Acetone	ND		ug/kg	14	--	1
Carbon disulfide	ND		ug/kg	5.5	--	1
2-Butanone	ND		ug/kg	5.5	--	1
4-Methyl-2-pentanone	ND		ug/kg	5.5	--	1
2-Hexanone	ND		ug/kg	5.5	--	1
Bromochloromethane	ND		ug/kg	1.1	--	1
Tetrahydrofuran	ND		ug/kg	2.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.1	--	1
1,2-Dibromoethane	ND		ug/kg	0.55	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.28	--	1
Bromobenzene	ND		ug/kg	1.1	--	1
n-Butylbenzene	ND		ug/kg	0.55	--	1
sec-Butylbenzene	ND		ug/kg	0.55	--	1
tert-Butylbenzene	ND		ug/kg	1.1	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.1	--	1
o-Chlorotoluene	ND		ug/kg	1.1	--	1
p-Chlorotoluene	ND		ug/kg	1.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.6	--	1
Hexachlorobutadiene	ND		ug/kg	2.2	--	1
Isopropylbenzene	ND		ug/kg	0.55	--	1
p-Isopropyltoluene	ND		ug/kg	0.55	--	1
Naphthalene	ND		ug/kg	2.2	--	1
n-Propylbenzene	ND		ug/kg	0.55	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-13
 Client ID: SH-04_1.2-2.2
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 11:40
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.1	--	1
Ethyl ether	ND		ug/kg	1.1	--	1
Isopropyl Ether	ND		ug/kg	1.1	--	1
Tert-Butyl Alcohol	ND		ug/kg	11	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.1	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.1	--	1
1,4-Dioxane	ND		ug/kg	44	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-14
 Client ID: SH-01A_1.5-2.5
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:55
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/30/25 16:45
 Analyst: JIC
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.56	--	1
Chloroform	ND		ug/kg	0.84	--	1
Carbon tetrachloride	ND		ug/kg	0.56	--	1
1,2-Dichloropropane	ND		ug/kg	0.56	--	1
Dibromochloromethane	ND		ug/kg	0.56	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.56	--	1
Tetrachloroethene	260	E	ug/kg	0.28	--	1
Chlorobenzene	ND		ug/kg	0.28	--	1
Trichlorofluoromethane	ND		ug/kg	2.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.56	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.28	--	1
Bromodichloromethane	ND		ug/kg	0.28	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.56	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.28	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.28	--	1
1,1-Dichloropropene	ND		ug/kg	0.28	--	1
Bromoform	ND		ug/kg	2.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.28	--	1
Benzene	ND		ug/kg	0.28	--	1
Toluene	ND		ug/kg	0.56	--	1
Ethylbenzene	ND		ug/kg	0.56	--	1
Chloromethane	ND		ug/kg	2.2	--	1
Bromomethane	ND		ug/kg	1.1	--	1
Vinyl chloride	ND		ug/kg	0.56	--	1
Chloroethane	ND		ug/kg	1.1	--	1
1,1-Dichloroethene	ND		ug/kg	0.56	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.84	--	1

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-14
 Client ID: SH-01A_1.5-2.5
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:55
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	2.1		ug/kg	0.28	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.1	--	1
Methyl tert butyl ether	ND		ug/kg	1.1	--	1
p/m-Xylene	ND		ug/kg	1.1	--	1
o-Xylene	ND		ug/kg	0.56	--	1
Xylenes, Total	ND		ug/kg	0.56	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.56	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.56	--	1
Dibromomethane	ND		ug/kg	1.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.1	--	1
Styrene	ND		ug/kg	0.56	--	1
Dichlorodifluoromethane	ND		ug/kg	5.6	--	1
Acetone	ND		ug/kg	14	--	1
Carbon disulfide	ND		ug/kg	5.6	--	1
2-Butanone	ND		ug/kg	5.6	--	1
4-Methyl-2-pentanone	ND		ug/kg	5.6	--	1
2-Hexanone	ND		ug/kg	5.6	--	1
Bromochloromethane	ND		ug/kg	1.1	--	1
Tetrahydrofuran	ND		ug/kg	2.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.1	--	1
1,2-Dibromoethane	ND		ug/kg	0.56	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.28	--	1
Bromobenzene	ND		ug/kg	1.1	--	1
n-Butylbenzene	ND		ug/kg	0.56	--	1
sec-Butylbenzene	ND		ug/kg	0.56	--	1
tert-Butylbenzene	ND		ug/kg	1.1	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.1	--	1
o-Chlorotoluene	ND		ug/kg	1.1	--	1
p-Chlorotoluene	ND		ug/kg	1.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.7	--	1
Hexachlorobutadiene	ND		ug/kg	2.2	--	1
Isopropylbenzene	ND		ug/kg	0.56	--	1
p-Isopropyltoluene	ND		ug/kg	0.56	--	1
Naphthalene	ND		ug/kg	2.2	--	1
n-Propylbenzene	ND		ug/kg	0.56	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-14
 Client ID: SH-01A_1.5-2.5
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:55
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.1	--	1
Ethyl ether	ND		ug/kg	1.1	--	1
Isopropyl Ether	ND		ug/kg	1.1	--	1
Tert-Butyl Alcohol	ND		ug/kg	11	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.1	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.1	--	1
1,4-Dioxane	ND		ug/kg	45	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	96		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-14
 Client ID: SH-01A_1.5-2.5
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:55
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 08/01/25 00:25
 Analyst: JIC
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	180	--	1
1,1-Dichloroethane	ND		ug/kg	35	--	1
Chloroform	ND		ug/kg	53	--	1
Carbon tetrachloride	ND		ug/kg	35	--	1
1,2-Dichloropropane	ND		ug/kg	35	--	1
Dibromochloromethane	ND		ug/kg	35	--	1
1,1,2-Trichloroethane	ND		ug/kg	35	--	1
Tetrachloroethene	17000	E	ug/kg	18	--	1
Chlorobenzene	ND		ug/kg	18	--	1
Trichlorofluoromethane	ND		ug/kg	140	--	1
1,2-Dichloroethane	ND		ug/kg	35	--	1
1,1,1-Trichloroethane	ND		ug/kg	18	--	1
Bromodichloromethane	ND		ug/kg	18	--	1
trans-1,3-Dichloropropene	ND		ug/kg	35	--	1
cis-1,3-Dichloropropene	ND		ug/kg	18	--	1
1,3-Dichloropropene, Total	ND		ug/kg	18	--	1
1,1-Dichloropropene	ND		ug/kg	18	--	1
Bromoform	ND		ug/kg	140	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	18	--	1
Benzene	ND		ug/kg	18	--	1
Toluene	ND		ug/kg	35	--	1
Ethylbenzene	ND		ug/kg	35	--	1
Chloromethane	ND		ug/kg	140	--	1
Bromomethane	ND		ug/kg	71	--	1
Vinyl chloride	ND		ug/kg	35	--	1
Chloroethane	ND		ug/kg	71	--	1
1,1-Dichloroethene	ND		ug/kg	35	--	1
trans-1,2-Dichloroethene	ND		ug/kg	53	--	1



Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2545619**Project Number:** 4682.007**Report Date:** 08/07/25**SAMPLE RESULTS**

Lab ID: L2545619-14
 Client ID: SH-01A_1.5-2.5
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:55
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	120		ug/kg	18	--	1
1,2-Dichlorobenzene	ND		ug/kg	71	--	1
1,3-Dichlorobenzene	ND		ug/kg	71	--	1
1,4-Dichlorobenzene	ND		ug/kg	71	--	1
Methyl tert butyl ether	ND		ug/kg	71	--	1
p/m-Xylene	ND		ug/kg	71	--	1
o-Xylene	ND		ug/kg	35	--	1
Xylenes, Total	ND		ug/kg	35	--	1
cis-1,2-Dichloroethene	ND		ug/kg	35	--	1
1,2-Dichloroethene, Total	ND		ug/kg	35	--	1
Dibromomethane	ND		ug/kg	71	--	1
1,2,3-Trichloropropane	ND		ug/kg	71	--	1
Styrene	ND		ug/kg	35	--	1
Dichlorodifluoromethane	ND		ug/kg	350	--	1
Acetone	ND		ug/kg	350	--	1
Carbon disulfide	ND		ug/kg	350	--	1
2-Butanone	ND		ug/kg	350	--	1
4-Methyl-2-pentanone	ND		ug/kg	350	--	1
2-Hexanone	ND		ug/kg	350	--	1
Bromochloromethane	ND		ug/kg	71	--	1
Tetrahydrofuran	ND		ug/kg	140	--	1
2,2-Dichloropropane	ND		ug/kg	71	--	1
1,2-Dibromoethane	ND		ug/kg	35	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	18	--	1
Bromobenzene	ND		ug/kg	71	--	1
n-Butylbenzene	ND		ug/kg	35	--	1
sec-Butylbenzene	ND		ug/kg	35	--	1
tert-Butylbenzene	ND		ug/kg	71	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	71	--	1
o-Chlorotoluene	ND		ug/kg	71	--	1
p-Chlorotoluene	ND		ug/kg	71	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	110	--	1
Hexachlorobutadiene	ND		ug/kg	140	--	1
Isopropylbenzene	ND		ug/kg	35	--	1
p-Isopropyltoluene	ND		ug/kg	35	--	1
Naphthalene	ND		ug/kg	140	--	1
n-Propylbenzene	ND		ug/kg	35	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-14
Client ID: SH-01A_1.5-2.5
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:55
Date Received: 07/21/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	71	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	71	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	71	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	71	--	1
Ethyl ether	ND		ug/kg	71	--	1
Isopropyl Ether	ND		ug/kg	71	--	1
Tert-Butyl Alcohol	ND		ug/kg	710	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	71	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	71	--	1
1,4-Dioxane	ND		ug/kg	2800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	93		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-14 D
 Client ID: SH-01A_1.5-2.5
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:55
 Date Received: 07/21/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 08/02/25 19:43
 Analyst: JIC
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Tetrachloroethene	16000		ug/kg	180	--	10

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

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/30/25 13:13
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,07-08,10,12-14 Batch: WG2097403-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/30/25 13:13
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,07-08,10,12-14 Batch: WG2097403-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	25	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 07/30/25 13:13
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,07-08,10,12-14 Batch: WG2097403-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/30/25 13:13
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04,06 Batch: WG2097406-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/30/25 13:13
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04,06 Batch: WG2097406-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/30/25 13:13
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04,06 Batch: WG2097406-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/31/25 23:08
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,04,12,14 Batch: WG2098052-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/31/25 23:08
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,04,12,14 Batch: WG2098052-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/31/25 23:08
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,04,12,14 Batch: WG2098052-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/02/25 10:29
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05,09 Batch: WG2098694-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/02/25 10:29
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05,09 Batch: WG2098694-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	25	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 08/02/25 10:29
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05,09 Batch: WG2098694-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/02/25 10:29
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05,11,14 Batch: WG2098695-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/02/25 10:29
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05,11,14 Batch: WG2098695-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	880		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 08/02/25 10:29
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05,11,14 Batch: WG2098695-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/06/25 09:12
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG2100202-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/06/25 09:12
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG2100202-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/06/25 09:12
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG2100202-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,07-08,10,12-14 Batch: WG2097403-3 WG2097403-4								
Methylene chloride	88		87		70-130	1		30
1,1-Dichloroethane	109		108		70-130	1		30
Chloroform	87		87		70-130	0		30
Carbon tetrachloride	94		92		70-130	2		30
1,2-Dichloropropane	112		116		70-130	4		30
Dibromochloromethane	91		94		70-130	3		30
1,1,2-Trichloroethane	92		94		70-130	2		30
Tetrachloroethene	111		110		70-130	1		30
Chlorobenzene	91		94		70-130	3		30
Trichlorofluoromethane	76		74		70-139	3		30
1,2-Dichloroethane	96		100		70-130	4		30
1,1,1-Trichloroethane	94		92		70-130	2		30
Bromodichloromethane	84		87		70-130	4		30
trans-1,3-Dichloropropene	99		101		70-130	2		30
cis-1,3-Dichloropropene	96		100		70-130	4		30
1,1-Dichloropropene	102		104		70-130	2		30
Bromoform	95		99		70-130	4		30
1,1,2,2-Tetrachloroethane	86		90		70-130	5		30
Benzene	93		94		70-130	1		30
Toluene	90		90		70-130	0		30
Ethylbenzene	92		92		70-130	0		30
Chloromethane	99		97		52-130	2		30
Bromomethane	60		58		57-147	3		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,07-08,10,12-14 Batch: WG2097403-3 WG2097403-4								
Vinyl chloride	88		85		67-130	3		30
Chloroethane	73		71		50-151	3		30
1,1-Dichloroethene	96		92		65-135	4		30
trans-1,2-Dichloroethene	96		94		70-130	2		30
Trichloroethene	90		93		70-130	3		30
1,2-Dichlorobenzene	91		96		70-130	5		30
1,3-Dichlorobenzene	93		96		70-130	3		30
1,4-Dichlorobenzene	90		93		70-130	3		30
Methyl tert butyl ether	101		102		66-130	1		30
p/m-Xylene	89		90		70-130	1		30
o-Xylene	86		87		70-130	1		30
cis-1,2-Dichloroethene	94		94		70-130	0		30
Dibromomethane	86		90		70-130	5		30
1,2,3-Trichloropropane	91		94		68-130	3		30
Styrene	84		86		70-130	2		30
Dichlorodifluoromethane	52		49		30-146	6		30
Acetone	152	Q	153	Q	54-140	1		30
Carbon disulfide	92		89		59-130	3		30
2-Butanone	113		135	Q	70-130	18		30
4-Methyl-2-pentanone	139	Q	145	Q	70-130	4		30
2-Hexanone	130		134	Q	70-130	3		30
Bromochloromethane	90		91		70-130	1		30
Tetrahydrofuran	112		116		66-130	4		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,07-08,10,12-14 Batch: WG2097403-3 WG2097403-4								
2,2-Dichloropropane	92		91		70-130	1		30
1,2-Dibromoethane	95		98		70-130	3		30
1,1,1,2-Tetrachloroethane	91		94		70-130	3		30
Bromobenzene	96		100		70-130	4		30
n-Butylbenzene	94		98		70-130	4		30
sec-Butylbenzene	91		94		70-130	3		30
tert-Butylbenzene	91		94		70-130	3		30
1,3,5-Trichlorobenzene	105		110		70-139	5		30
o-Chlorotoluene	90		99		70-130	10		30
p-Chlorotoluene	91		95		70-130	4		30
1,2-Dibromo-3-chloropropane	98		107		68-130	9		30
Hexachlorobutadiene	114		118		67-130	3		30
Isopropylbenzene	91		92		70-130	1		30
p-Isopropyltoluene	92		96		70-130	4		30
Naphthalene	100		108		70-130	8		30
n-Propylbenzene	94		96		70-130	2		30
1,2,3-Trichlorobenzene	104		116		70-130	11		30
1,2,4-Trichlorobenzene	109		117		70-130	7		30
1,3,5-Trimethylbenzene	87		90		70-130	3		30
1,2,4-Trimethylbenzene	88		91		70-130	3		30
Ethyl ether	100		98		67-130	2		30
Isopropyl Ether	133	Q	134	Q	66-130	1		30
Tert-Butyl Alcohol	124		125		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,07-08,10,12-14 Batch: WG2097403-3 WG2097403-4								
Ethyl-Tert-Butyl-Ether	122		123		70-130	1		30
Tertiary-Amyl Methyl Ether	95		99		70-130	4		30
1,4-Dioxane	94		107		65-136	13		30

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		96		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	103		105		70-130
Dibromofluoromethane	95		94		70-130

Lab Control Sample Analysis

Batch Quality Control

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Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04,06 Batch: WG2097406-3 WG2097406-4								
Methylene chloride	88		87		70-130	1		30
1,1-Dichloroethane	109		108		70-130	1		30
Chloroform	87		87		70-130	0		30
Carbon tetrachloride	94		92		70-130	2		30
1,2-Dichloropropane	112		116		70-130	4		30
Dibromochloromethane	91		94		70-130	3		30
1,1,2-Trichloroethane	92		94		70-130	2		30
Tetrachloroethene	111		110		70-130	1		30
Chlorobenzene	91		94		70-130	3		30
Trichlorofluoromethane	76		74		70-139	3		30
1,2-Dichloroethane	96		100		70-130	4		30
1,1,1-Trichloroethane	94		92		70-130	2		30
Bromodichloromethane	84		87		70-130	4		30
trans-1,3-Dichloropropene	99		101		70-130	2		30
cis-1,3-Dichloropropene	96		100		70-130	4		30
1,1-Dichloropropene	102		104		70-130	2		30
Bromoform	95		99		70-130	4		30
1,1,2,2-Tetrachloroethane	86		90		70-130	5		30
Benzene	93		94		70-130	1		30
Toluene	90		90		70-130	0		30
Ethylbenzene	92		92		70-130	0		30
Chloromethane	99		97		52-130	2		30
Bromomethane	60		58		57-147	3		30

Lab Control Sample Analysis Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04,06 Batch: WG2097406-3 WG2097406-4								
Vinyl chloride	88		85		67-130	3		30
Chloroethane	73		71		50-151	3		30
1,1-Dichloroethene	96		92		65-135	4		30
trans-1,2-Dichloroethene	96		94		70-130	2		30
Trichloroethene	90		93		70-130	3		30
1,2-Dichlorobenzene	91		96		70-130	5		30
1,3-Dichlorobenzene	93		96		70-130	3		30
1,4-Dichlorobenzene	90		93		70-130	3		30
Methyl tert butyl ether	101		102		66-130	1		30
p/m-Xylene	89		90		70-130	1		30
o-Xylene	86		87		70-130	1		30
cis-1,2-Dichloroethene	94		94		70-130	0		30
Dibromomethane	86		90		70-130	5		30
1,2,3-Trichloropropane	91		94		68-130	3		30
Styrene	84		86		70-130	2		30
Dichlorodifluoromethane	52		49		30-146	6		30
Acetone	152	Q	153	Q	54-140	1		30
Carbon disulfide	92		89		59-130	3		30
2-Butanone	113		135	Q	70-130	18		30
4-Methyl-2-pentanone	139	Q	145	Q	70-130	4		30
2-Hexanone	130		134	Q	70-130	3		30
Bromochloromethane	90		91		70-130	1		30
Tetrahydrofuran	112		116		66-130	4		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04,06 Batch: WG2097406-3 WG2097406-4								
2,2-Dichloropropane	92		91		70-130	1		30
1,2-Dibromoethane	95		98		70-130	3		30
1,1,1,2-Tetrachloroethane	91		94		70-130	3		30
Bromobenzene	96		100		70-130	4		30
n-Butylbenzene	94		98		70-130	4		30
sec-Butylbenzene	91		94		70-130	3		30
tert-Butylbenzene	91		94		70-130	3		30
1,3,5-Trichlorobenzene	105		110		70-139	5		30
o-Chlorotoluene	90		99		70-130	10		30
p-Chlorotoluene	91		95		70-130	4		30
1,2-Dibromo-3-chloropropane	98		107		68-130	9		30
Hexachlorobutadiene	114		118		67-130	3		30
Isopropylbenzene	91		92		70-130	1		30
p-Isopropyltoluene	92		96		70-130	4		30
Naphthalene	100		108		70-130	8		30
n-Propylbenzene	94		96		70-130	2		30
1,2,3-Trichlorobenzene	104		116		70-130	11		30
1,2,4-Trichlorobenzene	109		117		70-130	7		30
1,3,5-Trimethylbenzene	87		90		70-130	3		30
1,2,4-Trimethylbenzene	88		91		70-130	3		30
Ethyl ether	100		98		67-130	2		30
Isopropyl Ether	133	Q	134	Q	66-130	1		30
Tert-Butyl Alcohol	124		125		70-130	1		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

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Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04,06 Batch: WG2097406-3 WG2097406-4								
Ethyl-Tert-Butyl-Ether	122		123		70-130	1		30
Tertiary-Amyl Methyl Ether	95		99		70-130	4		30
1,4-Dioxane	94		107		65-136	13		30

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		96		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	103		105		70-130
Dibromofluoromethane	95		94		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

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Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,04,12,14 Batch: WG2098052-3 WG2098052-4								
Methylene chloride	92		85		70-130	8		30
1,1-Dichloroethane	102		96		70-130	6		30
Chloroform	108		103		70-130	5		30
Carbon tetrachloride	111		104		70-130	7		30
1,2-Dichloropropane	99		96		70-130	3		30
Dibromochloromethane	102		99		70-130	3		30
1,1,2-Trichloroethane	101		96		70-130	5		30
Tetrachloroethene	118		109		70-130	8		30
Chlorobenzene	107		100		70-130	7		30
Trichlorofluoromethane	124		115		70-139	8		30
1,2-Dichloroethane	99		96		70-130	3		30
1,1,1-Trichloroethane	116		108		70-130	7		30
Bromodichloromethane	105		102		70-130	3		30
trans-1,3-Dichloropropene	106		101		70-130	5		30
cis-1,3-Dichloropropene	109		106		70-130	3		30
1,1-Dichloropropene	116		108		70-130	7		30
Bromoform	100		94		70-130	6		30
1,1,2,2-Tetrachloroethane	93		91		70-130	2		30
Benzene	109		103		70-130	6		30
Toluene	107		97		70-130	10		30
Ethylbenzene	111		102		70-130	8		30
Chloromethane	88		81		52-130	8		30
Bromomethane	125		114		57-147	9		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

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Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,04,12,14 Batch: WG2098052-3 WG2098052-4								
Vinyl chloride	98		90		67-130	9		30
Chloroethane	100		100		50-151	0		30
1,1-Dichloroethene	110		103		65-135	7		30
trans-1,2-Dichloroethene	109		102		70-130	7		30
Trichloroethene	112		107		70-130	5		30
1,2-Dichlorobenzene	106		99		70-130	7		30
1,3-Dichlorobenzene	112		103		70-130	8		30
1,4-Dichlorobenzene	109		99		70-130	10		30
Methyl tert butyl ether	104		101		66-130	3		30
p/m-Xylene	114		106		70-130	7		30
o-Xylene	110		104		70-130	6		30
cis-1,2-Dichloroethene	108		101		70-130	7		30
Dibromomethane	106		103		70-130	3		30
1,2,3-Trichloropropane	95		90		68-130	5		30
Styrene	112		105		70-130	6		30
Dichlorodifluoromethane	77		70		30-146	10		30
Acetone	93		82		54-140	13		30
Carbon disulfide	97		91		59-130	6		30
2-Butanone	90		84		70-130	7		30
4-Methyl-2-pentanone	88		83		70-130	6		30
2-Hexanone	84		81		70-130	4		30
Bromochloromethane	107		102		70-130	5		30
Tetrahydrofuran	97		97		66-130	0		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,04,12,14 Batch: WG2098052-3 WG2098052-4								
2,2-Dichloropropane	114		107		70-130	6		30
1,2-Dibromoethane	110		108		70-130	2		30
1,1,1,2-Tetrachloroethane	105		99		70-130	6		30
Bromobenzene	107		100		70-130	7		30
n-Butylbenzene	117		106		70-130	10		30
sec-Butylbenzene	113		102		70-130	10		30
tert-Butylbenzene	111		101		70-130	9		30
1,3,5-Trichlorobenzene	118		109		70-139	8		30
o-Chlorotoluene	107		101		70-130	6		30
p-Chlorotoluene	108		100		70-130	8		30
1,2-Dibromo-3-chloropropane	89		86		68-130	3		30
Hexachlorobutadiene	123		113		67-130	8		30
Isopropylbenzene	113		101		70-130	11		30
p-Isopropyltoluene	114		103		70-130	10		30
Naphthalene	85		82		70-130	4		30
n-Propylbenzene	112		102		70-130	9		30
1,2,3-Trichlorobenzene	106		102		70-130	4		30
1,2,4-Trichlorobenzene	118		108		70-130	9		30
1,3,5-Trimethylbenzene	110		101		70-130	9		30
1,2,4-Trimethylbenzene	112		101		70-130	10		30
Ethyl ether	104		100		67-130	4		30
Isopropyl Ether	92		88		66-130	4		30
Tert-Butyl Alcohol	83		83		70-130	0		30

Lab Control Sample Analysis Batch Quality Control

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Project Number: 4682.007

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Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,04,12,14 Batch: WG2098052-3 WG2098052-4								
Ethyl-Tert-Butyl-Ether	95		92		70-130	3		30
Tertiary-Amyl Methyl Ether	102		100		70-130	2		30
1,4-Dioxane	83		80		65-136	4		30

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		99		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	100		102		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

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Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05,09 Batch: WG2098694-3 WG2098694-4								
Methylene chloride	90		86		70-130	5		30
1,1-Dichloroethane	112		108		70-130	4		30
Chloroform	89		86		70-130	3		30
Carbon tetrachloride	94		91		70-130	3		30
1,2-Dichloropropane	113		115		70-130	2		30
Dibromochloromethane	95		96		70-130	1		30
1,1,2-Trichloroethane	95		95		70-130	0		30
Tetrachloroethene	112		111		70-130	1		30
Chlorobenzene	94		94		70-130	0		30
Trichlorofluoromethane	84		77		70-139	9		30
1,2-Dichloroethane	100		100		70-130	0		30
1,1,1-Trichloroethane	96		93		70-130	3		30
Bromodichloromethane	85		87		70-130	2		30
trans-1,3-Dichloropropene	103		102		70-130	1		30
cis-1,3-Dichloropropene	98		99		70-130	1		30
1,1-Dichloropropene	105		103		70-130	2		30
Bromoform	101		99		70-130	2		30
1,1,2,2-Tetrachloroethane	91		91		70-130	0		30
Benzene	95		95		70-130	0		30
Toluene	93		93		70-130	0		30
Ethylbenzene	94		94		70-130	0		30
Chloromethane	119		109		52-130	9		30
Bromomethane	67		61		57-147	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05,09 Batch: WG2098694-3 WG2098694-4								
Vinyl chloride	102		95		67-130	7		30
Chloroethane	82		76		50-151	8		30
1,1-Dichloroethene	100		94		65-135	6		30
trans-1,2-Dichloroethene	98		94		70-130	4		30
Trichloroethene	92		93		70-130	1		30
1,2-Dichlorobenzene	97		96		70-130	1		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	95		94		70-130	1		30
Methyl tert butyl ether	102		100		66-130	2		30
p/m-Xylene	92		92		70-130	0		30
o-Xylene	89		89		70-130	0		30
cis-1,2-Dichloroethene	97		90		70-130	7		30
Dibromomethane	90		91		70-130	1		30
1,2,3-Trichloropropane	93		95		68-130	2		30
Styrene	87		87		70-130	0		30
Dichlorodifluoromethane	73		67		30-146	9		30
Acetone	149	Q	147	Q	54-140	1		30
Carbon disulfide	99		92		59-130	7		30
2-Butanone	132	Q	117		70-130	12		30
4-Methyl-2-pentanone	142	Q	145	Q	70-130	2		30
2-Hexanone	134	Q	135	Q	70-130	1		30
Bromochloromethane	92		91		70-130	1		30
Tetrahydrofuran	118		116		66-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05,09 Batch: WG2098694-3 WG2098694-4								
2,2-Dichloropropane	95		91		70-130	4		30
1,2-Dibromoethane	99		99		70-130	0		30
1,1,1,2-Tetrachloroethane	95		95		70-130	0		30
Bromobenzene	100		101		70-130	1		30
n-Butylbenzene	100		97		70-130	3		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	95		94		70-130	1		30
1,3,5-Trichlorobenzene	110		109		70-139	1		30
o-Chlorotoluene	94		107		70-130	13		30
p-Chlorotoluene	95		94		70-130	1		30
1,2-Dibromo-3-chloropropane	107		107		68-130	0		30
Hexachlorobutadiene	119		116		67-130	3		30
Isopropylbenzene	95		93		70-130	2		30
p-Isopropyltoluene	98		96		70-130	2		30
Naphthalene	104		107		70-130	3		30
n-Propylbenzene	96		96		70-130	0		30
1,2,3-Trichlorobenzene	107		108		70-130	1		30
1,2,4-Trichlorobenzene	114		113		70-130	1		30
1,3,5-Trimethylbenzene	91		90		70-130	1		30
1,2,4-Trimethylbenzene	92		91		70-130	1		30
Ethyl ether	101		100		67-130	1		30
Isopropyl Ether	140	Q	135	Q	66-130	4		30
Tert-Butyl Alcohol	124		122		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05,09 Batch: WG2098694-3 WG2098694-4								
Ethyl-Tert-Butyl-Ether	124		123		70-130	1		30
Tertiary-Amyl Methyl Ether	96		97		70-130	1		30
1,4-Dioxane	97		101		65-136	4		30

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		96		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	99		103		70-130
Dibromofluoromethane	95		94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05,11,14 Batch: WG2098695-3 WG2098695-4								
Methylene chloride	90		86		70-130	5		30
1,1-Dichloroethane	112		108		70-130	4		30
Chloroform	89		86		70-130	3		30
Carbon tetrachloride	94		91		70-130	3		30
1,2-Dichloropropane	113		115		70-130	2		30
Dibromochloromethane	95		96		70-130	1		30
1,1,2-Trichloroethane	95		95		70-130	0		30
Tetrachloroethene	112		111		70-130	1		30
Chlorobenzene	94		94		70-130	0		30
Trichlorofluoromethane	84		77		70-139	9		30
1,2-Dichloroethane	100		100		70-130	0		30
1,1,1-Trichloroethane	96		93		70-130	3		30
Bromodichloromethane	85		87		70-130	2		30
trans-1,3-Dichloropropene	103		102		70-130	1		30
cis-1,3-Dichloropropene	98		99		70-130	1		30
1,1-Dichloropropene	105		103		70-130	2		30
Bromoform	101		99		70-130	2		30
1,1,2,2-Tetrachloroethane	91		91		70-130	0		30
Benzene	95		95		70-130	0		30
Toluene	93		93		70-130	0		30
Ethylbenzene	94		94		70-130	0		30
Chloromethane	119		109		52-130	9		30
Bromomethane	67		61		57-147	9		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05,11,14 Batch: WG2098695-3 WG2098695-4								
Vinyl chloride	102		95		67-130	7		30
Chloroethane	82		76		50-151	8		30
1,1-Dichloroethene	100		94		65-135	6		30
trans-1,2-Dichloroethene	98		94		70-130	4		30
Trichloroethene	92		93		70-130	1		30
1,2-Dichlorobenzene	97		96		70-130	1		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	95		94		70-130	1		30
Methyl tert butyl ether	102		100		66-130	2		30
p/m-Xylene	92		92		70-130	0		30
o-Xylene	89		89		70-130	0		30
cis-1,2-Dichloroethene	97		90		70-130	7		30
Dibromomethane	90		91		70-130	1		30
1,2,3-Trichloropropane	93		95		68-130	2		30
Styrene	87		87		70-130	0		30
Dichlorodifluoromethane	73		67		30-146	9		30
Acetone	149	Q	147	Q	54-140	1		30
Carbon disulfide	99		92		59-130	7		30
2-Butanone	132	Q	117		70-130	12		30
4-Methyl-2-pentanone	142	Q	145	Q	70-130	2		30
2-Hexanone	134	Q	135	Q	70-130	1		30
Bromochloromethane	92		91		70-130	1		30
Tetrahydrofuran	118		116		66-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05,11,14 Batch: WG2098695-3 WG2098695-4								
2,2-Dichloropropane	95		91		70-130	4		30
1,2-Dibromoethane	99		99		70-130	0		30
1,1,1,2-Tetrachloroethane	95		95		70-130	0		30
Bromobenzene	100		101		70-130	1		30
n-Butylbenzene	100		97		70-130	3		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	95		94		70-130	1		30
1,3,5-Trichlorobenzene	110		109		70-139	1		30
o-Chlorotoluene	94		107		70-130	13		30
p-Chlorotoluene	95		94		70-130	1		30
1,2-Dibromo-3-chloropropane	107		107		68-130	0		30
Hexachlorobutadiene	119		116		67-130	3		30
Isopropylbenzene	95		93		70-130	2		30
p-Isopropyltoluene	98		96		70-130	2		30
Naphthalene	104		107		70-130	3		30
n-Propylbenzene	96		96		70-130	0		30
1,2,3-Trichlorobenzene	107		108		70-130	1		30
1,2,4-Trichlorobenzene	114		113		70-130	1		30
1,3,5-Trimethylbenzene	91		90		70-130	1		30
1,2,4-Trimethylbenzene	92		91		70-130	1		30
Ethyl ether	101		100		67-130	1		30
Isopropyl Ether	140	Q	135	Q	66-130	4		30
Tert-Butyl Alcohol	124		122		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05,11,14 Batch: WG2098695-3 WG2098695-4								
Ethyl-Tert-Butyl-Ether	124		123		70-130	1		30
Tertiary-Amyl Methyl Ether	96		97		70-130	1		30
1,4-Dioxane	97		101		65-136	4		30

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		96		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	99		102		70-130
Dibromofluoromethane	95		94		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG2100202-3 WG2100202-4								
Methylene chloride	85		82		70-130	4		30
1,1-Dichloroethane	99		97		70-130	2		30
Chloroform	89		88		70-130	1		30
Carbon tetrachloride	81		81		70-130	0		30
1,2-Dichloropropane	96		95		70-130	1		30
Dibromochloromethane	87		86		70-130	1		30
1,1,2-Trichloroethane	89		86		70-130	3		30
Tetrachloroethene	94		94		70-130	0		30
Chlorobenzene	92		92		70-130	0		30
Trichlorofluoromethane	98		95		70-139	3		30
1,2-Dichloroethane	100		97		70-130	3		30
1,1,1-Trichloroethane	92		92		70-130	0		30
Bromodichloromethane	87		86		70-130	1		30
trans-1,3-Dichloropropene	94		91		70-130	3		30
cis-1,3-Dichloropropene	92		90		70-130	2		30
1,1-Dichloropropene	95		94		70-130	1		30
Bromoform	83		82		70-130	1		30
1,1,2,2-Tetrachloroethane	88		83		70-130	6		30
Benzene	91		90		70-130	1		30
Toluene	90		89		70-130	1		30
Ethylbenzene	93		92		70-130	1		30
Chloromethane	120		114		52-130	5		30
Bromomethane	94		93		57-147	1		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG2100202-3 WG2100202-4								
Vinyl chloride	109		103		67-130	6		30
Chloroethane	108		102		50-151	6		30
1,1-Dichloroethene	93		90		65-135	3		30
trans-1,2-Dichloroethene	91		89		70-130	2		30
Trichloroethene	90		90		70-130	0		30
1,2-Dichlorobenzene	94		94		70-130	0		30
1,3-Dichlorobenzene	95		95		70-130	0		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	94		89		66-130	5		30
p/m-Xylene	93		93		70-130	0		30
o-Xylene	91		91		70-130	0		30
cis-1,2-Dichloroethene	87		87		70-130	0		30
Dibromomethane	87		85		70-130	2		30
1,2,3-Trichloropropane	89		84		68-130	6		30
Styrene	92		91		70-130	1		30
Dichlorodifluoromethane	94		89		30-146	5		30
Acetone	100		90		54-140	11		30
Carbon disulfide	79		77		59-130	3		30
2-Butanone	97		86		70-130	12		30
4-Methyl-2-pentanone	101		92		70-130	9		30
2-Hexanone	99		89		70-130	11		30
Bromochloromethane	92		89		70-130	3		30
Tetrahydrofuran	96		85		66-130	12		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG2100202-3 WG2100202-4								
2,2-Dichloropropane	94		92		70-130	2		30
1,2-Dibromoethane	90		87		70-130	3		30
1,1,1,2-Tetrachloroethane	91		91		70-130	0		30
Bromobenzene	94		93		70-130	1		30
n-Butylbenzene	97		98		70-130	1		30
sec-Butylbenzene	94		95		70-130	1		30
tert-Butylbenzene	93		94		70-130	1		30
1,3,5-Trichlorobenzene	102		103		70-139	1		30
o-Chlorotoluene	95		95		70-130	0		30
p-Chlorotoluene	95		95		70-130	0		30
1,2-Dibromo-3-chloropropane	78		73		68-130	7		30
Hexachlorobutadiene	100		101		67-130	1		30
Isopropylbenzene	95		95		70-130	0		30
p-Isopropyltoluene	95		96		70-130	1		30
Naphthalene	91		87		70-130	4		30
n-Propylbenzene	97		97		70-130	0		30
1,2,3-Trichlorobenzene	99		98		70-130	1		30
1,2,4-Trichlorobenzene	104		102		70-130	2		30
1,3,5-Trimethylbenzene	95		96		70-130	1		30
1,2,4-Trimethylbenzene	95		95		70-130	0		30
Ethyl ether	94		90		67-130	4		30
Isopropyl Ether	115		109		66-130	5		30
Tert-Butyl Alcohol	86		79		70-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG2100202-3 WG2100202-4								
Ethyl-Tert-Butyl-Ether	106		103		70-130	3		30
Tertiary-Amyl Methyl Ether	90		87		70-130	3		30
1,4-Dioxane	79		78		65-136	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		102		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	97		96		70-130

INORGANICS & MISCELLANEOUS

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-01

Date Collected: 07/21/25 10:25

Client ID: SH-01_0.4-0.9_20250721

Date Received: 07/21/25

Sample Location: HILLSBOROUGH, NH

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.7		%	0.100	NA	1	-	07/29/25 11:28	121,2540G	ROI



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-02
Client ID: SH-02_1.0-2.0_20250721
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:00
Date Received: 07/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.1		%	0.100	NA	1	-	07/29/25 11:28	121,2540G	ROI



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-03
Client ID: SH-03_1.0-2.0_20250721
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 09:25
Date Received: 07/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.0		%	0.100	NA	1	-	07/29/25 11:28	121,2540G	ROI



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-04
Client ID: SH-04_0.8-1.2_20250721
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 11:35
Date Received: 07/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	07/29/25 10:20	121,2540G	ROI



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-05
Client ID: SH-05_0.2-0.7_20250721
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 12:15
Date Received: 07/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	07/29/25 10:20	121,2540G	ROI



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-06
Client ID: SH-06_0.8-1.7_20250721
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 12:50
Date Received: 07/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.3		%	0.100	NA	1	-	07/29/25 10:20	121,2540G	ROI



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-07
Client ID: SH-07_0.6-1.5_20250721
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 13:25
Date Received: 07/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	07/29/25 10:20	121,2540G	ROI



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-08
Client ID: SH-08_1.4-2.2_20250721
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 13:55
Date Received: 07/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	07/29/25 10:20	121,2540G	ROI



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-09
Client ID: SH-11_1.0-1.8_20250721
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 15:20
Date Received: 07/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	07/29/25 10:20	121,2540G	ROI



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-10
Client ID: SH-12_0.9-1.8_20250721
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 14:55
Date Received: 07/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.9		%	0.100	NA	1	-	07/29/25 10:20	121,2540G	ROI



Project Name: ASSOCIATED ELECTRIC**Project Number:** 4682.007**Lab Number:** L2545619**Report Date:** 08/07/25**SAMPLE RESULTS**

Lab ID: L2545619-11

Client ID: FD-1_20250721

Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:25

Date Received: 07/21/25

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.7		%	0.100	NA	1	-	07/29/25 11:28	121,2540G	ROI



Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545619

Project Number: 4682.007

Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-13

Date Collected: 07/21/25 11:40

Client ID: SH-04_1.2-2.2

Date Received: 07/21/25

Sample Location: HILLSBOROUGH, NH

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.9		%	0.100	NA	1	-	07/29/25 10:20	121,2540G	ROI



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

SAMPLE RESULTS

Lab ID: L2545619-14
Client ID: SH-01A_1.5-2.5
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/21/25 10:55
Date Received: 07/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.6		%	0.100	NA	1	-	07/29/25 10:20	121,2540G	ROI



Lab Duplicate Analysis

Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Project Number: 4682.007

Lab Number: L2545619

Report Date: 08/07/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,11 QC Batch ID: WG2096320-1 QC Sample: L2545585-01 Client ID: DUP Sample						
Solids, Total	90.4	88.2	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 04-10,13-14 QC Batch ID: WG2096322-1 QC Sample: L2545456-01 Client ID: DUP Sample						
Solids, Total	93.2	92.7	%	1		20



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Serial_No:08072514:33
Lab Number: L2545619
Report Date: 08/07/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2545619-01A	Vial MeOH preserved	NA	NA			Y	Absent		8260H-NH(14),8260HLW-NH(14)
L2545619-01B	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260H-NH(14),8260HLW-NH(14)
L2545619-01C	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260H-NH(14),8260HLW-NH(14)
L2545619-01D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545619-02A	Vial MeOH preserved	NA	NA			Y	Absent		8260HLW-NH(14)
L2545619-02B	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-02C	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-02D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545619-03A	Vial MeOH preserved	NA	NA			Y	Absent		8260HLW-NH(14)
L2545619-03B	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-03C	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-03D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545619-04A	Vial MeOH preserved	NA	NA			Y	Absent		8260HLW-NH(14)
L2545619-04B	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-04C	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-04D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545619-05A	Vial MeOH preserved	NA	NA			Y	Absent		8260H-NH(14),8260HLW-NH(14)
L2545619-05B	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260H-NH(14),8260HLW-NH(14)
L2545619-05C	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260H-NH(14),8260HLW-NH(14)
L2545619-05D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545619-06A	Vial MeOH preserved	NA	NA			Y	Absent		8260HLW-NH(14)
L2545619-06B	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-06C	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)

*Values in parentheses indicate holding time in days



Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2545619**Project Number:** 4682.007**Report Date:** 08/07/25**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2545619-06D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545619-07A	Vial MeOH preserved	NA	NA			Y	Absent		8260HLW-NH(14)
L2545619-07B	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-07C	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-07D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545619-08A	Vial MeOH preserved	NA	NA			Y	Absent		8260HLW-NH(14)
L2545619-08B	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-08C	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-08D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545619-09A	Vial MeOH preserved	NA	NA			Y	Absent		8260HLW-NH(14)
L2545619-09B	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-09C	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-09D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545619-10A	Vial MeOH preserved	NA	NA			Y	Absent		8260HLW-NH(14)
L2545619-10B	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-10C	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-10D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545619-11A	Vial MeOH preserved	NA	NA			Y	Absent		8260HLW-NH(14)
L2545619-11B	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-11C	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-11D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545619-12A	Vial MeOH preserved	NA	NA			Y	Absent		8260H-NH(14),8260HLW-NH(14)
L2545619-12B	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260H-NH(14),8260HLW-NH(14)
L2545619-13A	Vial MeOH preserved	NA	NA			Y	Absent		8260HLW-NH(14)
L2545619-13B	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-13C	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260HLW-NH(14)
L2545619-13D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545619-14A	Vial MeOH preserved	NA	NA			Y	Absent		8260H-NH(14),8260HLW-NH(14)

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Serial_No:08072514:33
Lab Number: L2545619
Report Date: 08/07/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2545619-14B	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260H-NH(14),8260HLW-NH(14)
L2545619-14C	Vial water preserved	NA	NA			Y	Absent	21-JUL-25 19:41	8260H-NH(14),8260HLW-NH(14)
L2545619-14D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545619-15A	Vial HCl preserved	NA	NA			Y	Absent		ARCHIVE()



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

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

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545619
Report Date: 08/07/25

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

EPA 624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625.1: alpha-Terpineol

EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

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

EPA 200.8: Al, Sb, As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1: Hg. **EPA 245.7:** Hg.

SM2340B

Pace Analytical Services LLCID No.:**17873**Facility: **Northeast**

Revision 28

Department: **Quality Assurance**

Published Date: 07/25/2025

Title: **Certificate/Approval Program Summary**

Page 2 of 2

Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY KY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

MA M-MA00030, CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

L2545619
SHA



L2573011

CHAIN OF CUSTODY

PAGE 1 OF 3

ALPHA
LABORATORY
WEST BURLINGHAM, MA
TEL: 508-898-0220
FAX: 508-898-9193
MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3268

Client Information
Client: Sanborn, Head & Associates, Inc.
Address: 6 Bedford Farms Drive, Suite 201
Phone: 603-229-1900
Fax: 603-229-1919
Email: hcaprood@sanbornhead.com
 These samples have been previously analyzed by Alpha

Project Information
Project Name: Associated Electric
Project Location: Hillsborough, NH
Project #: 4682.007
Project Manager: Heidi Caprood
ALPHA Quote #: NA
Turn-Around Time
 Standard RUSH (only confirmed if pre-app)
Date Due: _____ Time: _____

Date Rec'd in Lab: 07/21/25
Report Information - Data Deliverables
 FAX EMAIL
 ADEX Add'l Deliverables

Billing Information
 Same as Client info

Regulatory Requirements/Report Limits
State /Fed Program: NHDES Criteria: S-1/SRS

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS
 Yes No Are MCP Analytical Methods Required?
 Yes No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
 Yes No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS												SAMPLE HANDLING Filtration _____ <input type="checkbox"/> Done <input checked="" type="checkbox"/> Not needed <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please specify below)	TOTAL # BOTTLES
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs (E2800)							
YS619-01	SH-01_0.4-0.9_202507 21	7/21/25	10:25	Soil	CMV	X							
-02	SH-02_1.0-2.0_202507 21	7/21/25	10:00	Soil		X							
-03	SH-03_1.0-2.0_202507 21	7/21/25	09:25	Soil		X							
-04	SH-04_0.8-1.2_202507 21	7/21/25	11:35	Soil		X							
-05	SH-05_0.2-0.7_202507 21	7/21/25	12:15	Soil		X							
-06	SH-06_0.8-1.7_202507 21	7/21/25	12:50	Soil		X							
-07	SH-07_0.6-1.5_202507 21	7/21/25	13:25	Soil		X							
-08	SH-08_1.4-2.2_202507 21	7/21/25	13:55	Soil		X							
WY110-09	SH-09_ _202507			Soil		X							
	SH-10_ _202507			Soil		X							

PLEASE ANSWER QUESTIONS ABOVE!
IS YOUR PROJECT MA MCP or CT RCP?
FORM NO: 01-01 (rev. 18-Jan-2010)

Container Type: V
Preservative: F
Relinquished By: [Signature] Date/Time: 7/21/25 15:24
Received By: [Signature] Date/Time: 7/21/25 15:24

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



Sample Delivery Group Summary

Pace Job Number : L2545619

Received : 21-JUL-2025

Reviewer : Craig Sloma-Green

Account Name : Sanborn, Head & Associates, Inc.

Project Number : 4682.007

Project Name : ASSOCIATED ELECTRIC

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	5.6	

Condition Information

- | | |
|---|------------|
| 1) All samples on COC received? | YES |
| 2) Extra samples received?
Following additional samples were received: -15 | YES |
| 3) Are there any sample container discrepancies? | NO |
| 4) Are there any discrepancies between COC & sample labels? | NO |
| 5) Are samples in appropriate containers for requested analysis? | YES |
| 6) Are samples properly preserved for requested analysis? | YES |
| 7) Are samples within holding time for requested analysis? | YES |
| 8) All sampling equipment returned? | NA |

Volatile Organics/VPH

- | | |
|--|-----------|
| 1) Reagent Water Vials Frozen by Client? | NO |
|--|-----------|



ANALYTICAL REPORT

Lab Number:	L2545964
Client:	Sanborn, Head & Associates, Inc. 6 Bedford Farms Drive Suite 201 Bedford, NH 03110
ATTN:	Heidi Caprood
Phone:	(603) 229-1900
Project Name:	ASSOCIATED ELECTRIC
Project Number:	4682.007
Report Date:	08/05/25

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2545964-01	SH-09_4.0-4.9_20250722	SOIL	HILLSBOROUGH, NH	07/22/25 13:05	07/22/25
L2545964-02	SH-10_2.6-3.0_20250722	SOIL	HILLSBOROUGH, NH	07/22/25 11:50	07/22/25
L2545964-03	SH-13_08-1.7_20250722	SOIL	HILLSBOROUGH, NH	07/22/25 09:25	07/22/25
L2545964-04	SH-14_1.5-1.9_20250722	SOIL	HILLSBOROUGH, NH	07/22/25 09:00	07/22/25
L2545964-05	SH-SS-01_0.5-1.0_20250722	SOIL	HILLSBOROUGH, NH	07/22/25 13:50	07/22/25
L2545964-06	FD-2_20250722	SOIL	HILLSBOROUGH, NH	07/22/25 13:05	07/22/25
L2545964-07	EB-1_20250722	WATER	HILLSBOROUGH, NH	07/22/25 15:05	07/22/25
L2545964-08	TB-2_20250722	SOIL	HILLSBOROUGH, NH	07/22/25 16:00	07/22/25

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

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

Authorized Signature:



Kelly O'Neill

Title: Technical Director/Representative

Date: 08/05/25

ORGANICS

VOLATILES

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-01
 Client ID: SH-09_4.0-4.9_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 13:05
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 08/03/25 10:03
 Analyst: JIC
 Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.41	--	1
Chloroform	ND		ug/kg	0.61	--	1
Carbon tetrachloride	ND		ug/kg	0.41	--	1
1,2-Dichloropropane	ND		ug/kg	0.41	--	1
Dibromochloromethane	ND		ug/kg	0.41	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.41	--	1
Tetrachloroethene	7.6		ug/kg	0.20	--	1
Chlorobenzene	ND		ug/kg	0.20	--	1
Trichlorofluoromethane	ND		ug/kg	1.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.41	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.20	--	1
Bromodichloromethane	ND		ug/kg	0.20	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.41	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.20	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.20	--	1
1,1-Dichloropropene	ND		ug/kg	0.20	--	1
Bromoform	ND		ug/kg	1.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.20	--	1
Benzene	ND		ug/kg	0.20	--	1
Toluene	ND		ug/kg	0.41	--	1
Ethylbenzene	ND		ug/kg	0.41	--	1
Chloromethane	ND		ug/kg	1.6	--	1
Bromomethane	ND		ug/kg	0.82	--	1
Vinyl chloride	ND		ug/kg	0.41	--	1
Chloroethane	ND		ug/kg	0.82	--	1
1,1-Dichloroethene	ND		ug/kg	0.41	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.61	--	1

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545964

Project Number: 4682.007

Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-01
 Client ID: SH-09_4.0-4.9_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 13:05
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.20	--	1
1,2-Dichlorobenzene	ND		ug/kg	0.82	--	1
1,3-Dichlorobenzene	ND		ug/kg	0.82	--	1
1,4-Dichlorobenzene	ND		ug/kg	0.82	--	1
Methyl tert butyl ether	ND		ug/kg	0.82	--	1
p/m-Xylene	ND		ug/kg	0.82	--	1
o-Xylene	ND		ug/kg	0.41	--	1
Xylenes, Total	ND		ug/kg	0.41	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.41	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.41	--	1
Dibromomethane	ND		ug/kg	0.82	--	1
1,2,3-Trichloropropane	ND		ug/kg	0.82	--	1
Styrene	ND		ug/kg	0.41	--	1
Dichlorodifluoromethane	ND		ug/kg	4.1	--	1
Acetone	ND		ug/kg	10	--	1
Carbon disulfide	ND		ug/kg	4.1	--	1
2-Butanone	ND		ug/kg	4.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	4.1	--	1
2-Hexanone	ND		ug/kg	4.1	--	1
Bromochloromethane	ND		ug/kg	0.82	--	1
Tetrahydrofuran	ND		ug/kg	1.6	--	1
2,2-Dichloropropane	ND		ug/kg	0.82	--	1
1,2-Dibromoethane	ND		ug/kg	0.41	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.20	--	1
Bromobenzene	ND		ug/kg	0.82	--	1
n-Butylbenzene	ND		ug/kg	0.41	--	1
sec-Butylbenzene	ND		ug/kg	0.41	--	1
tert-Butylbenzene	ND		ug/kg	0.82	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	0.82	--	1
o-Chlorotoluene	ND		ug/kg	0.82	--	1
p-Chlorotoluene	ND		ug/kg	0.82	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.2	--	1
Hexachlorobutadiene	ND		ug/kg	1.6	--	1
Isopropylbenzene	ND		ug/kg	0.41	--	1
p-Isopropyltoluene	ND		ug/kg	0.41	--	1
Naphthalene	ND		ug/kg	1.6	--	1
n-Propylbenzene	ND		ug/kg	0.41	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-01
 Client ID: SH-09_4.0-4.9_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 13:05
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	0.82	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	0.82	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	0.82	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	0.82	--	1
Ethyl ether	ND		ug/kg	0.82	--	1
Isopropyl Ether	ND		ug/kg	0.82	--	1
Tert-Butyl Alcohol	ND		ug/kg	8.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	0.82	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	0.82	--	1
1,4-Dioxane	ND		ug/kg	33	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-02
 Client ID: SH-10_2.6-3.0_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 11:50
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 08/03/25 10:30
 Analyst: JIC
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.71	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.71	--	1
1,2-Dichloropropane	ND		ug/kg	0.71	--	1
Dibromochloromethane	ND		ug/kg	0.71	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.71	--	1
Tetrachloroethene	32		ug/kg	0.35	--	1
Chlorobenzene	ND		ug/kg	0.35	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.71	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.35	--	1
Bromodichloromethane	ND		ug/kg	0.35	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.71	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.35	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.35	--	1
1,1-Dichloropropene	ND		ug/kg	0.35	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Benzene	ND		ug/kg	0.35	--	1
Toluene	ND		ug/kg	0.71	--	1
Ethylbenzene	ND		ug/kg	0.71	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.71	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.71	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545964

Project Number: 4682.007

Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-02
 Client ID: SH-10_2.6-3.0_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 11:50
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.52		ug/kg	0.35	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.71	--	1
Xylenes, Total	ND		ug/kg	0.71	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.71	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.71	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.71	--	1
Dichlorodifluoromethane	ND		ug/kg	7.1	--	1
Acetone	ND		ug/kg	18	--	1
Carbon disulfide	ND		ug/kg	7.1	--	1
2-Butanone	ND		ug/kg	7.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.1	--	1
2-Hexanone	ND		ug/kg	7.1	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.71	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.71	--	1
sec-Butylbenzene	ND		ug/kg	0.71	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.71	--	1
p-Isopropyltoluene	ND		ug/kg	0.71	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.71	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-02
 Client ID: SH-10_2.6-3.0_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 11:50
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Ethyl ether	ND		ug/kg	1.4	--	1
Isopropyl Ether	ND		ug/kg	1.4	--	1
Tert-Butyl Alcohol	ND		ug/kg	14	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	57	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2545964**Project Number:** 4682.007**Report Date:** 08/05/25**SAMPLE RESULTS**

Lab ID: L2545964-03
 Client ID: SH-13_08-1.7_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 09:25
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 08/03/25 11:22
 Analyst: JIC
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.81	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.81	--	1
1,2-Dichloropropane	ND		ug/kg	0.81	--	1
Dibromochloromethane	ND		ug/kg	0.81	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.81	--	1
Tetrachloroethene	1.3		ug/kg	0.40	--	1
Chlorobenzene	ND		ug/kg	0.40	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.81	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.40	--	1
Bromodichloromethane	ND		ug/kg	0.40	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.81	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.40	--	1
1,1-Dichloropropene	ND		ug/kg	0.40	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Benzene	ND		ug/kg	0.40	--	1
Toluene	ND		ug/kg	0.81	--	1
Ethylbenzene	ND		ug/kg	0.81	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.81	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.81	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545964

Project Number: 4682.007

Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-03
 Client ID: SH-13_08-1.7_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 09:25
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.40	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.81	--	1
Xylenes, Total	ND		ug/kg	0.81	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.81	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.81	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.81	--	1
Dichlorodifluoromethane	ND		ug/kg	8.1	--	1
Acetone	56		ug/kg	20	--	1
Carbon disulfide	ND		ug/kg	8.1	--	1
2-Butanone	22		ug/kg	8.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.1	--	1
2-Hexanone	ND		ug/kg	8.1	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.81	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.81	--	1
sec-Butylbenzene	ND		ug/kg	0.81	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.81	--	1
p-Isopropyltoluene	ND		ug/kg	0.81	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.81	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-03
 Client ID: SH-13_.08-1.7_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 09:25
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	65	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-04
 Client ID: SH-14_1.5-1.9_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 09:00
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 08/03/25 10:56
 Analyst: JIC
 Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	--	1
1,1-Dichloroethane	ND		ug/kg	0.85	--	1
Chloroform	ND		ug/kg	1.3	--	1
Carbon tetrachloride	ND		ug/kg	0.85	--	1
1,2-Dichloropropane	ND		ug/kg	0.85	--	1
Dibromochloromethane	ND		ug/kg	0.85	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.85	--	1
Tetrachloroethene	ND		ug/kg	0.42	--	1
Chlorobenzene	3.4		ug/kg	0.42	--	1
Trichlorofluoromethane	ND		ug/kg	3.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.85	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.42	--	1
Bromodichloromethane	ND		ug/kg	0.42	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.85	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.42	--	1
1,1-Dichloropropene	ND		ug/kg	0.42	--	1
Bromoform	ND		ug/kg	3.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Benzene	ND		ug/kg	0.42	--	1
Toluene	ND		ug/kg	0.85	--	1
Ethylbenzene	ND		ug/kg	0.85	--	1
Chloromethane	ND		ug/kg	3.4	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	ND		ug/kg	0.85	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.85	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	--	1

Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2545964**Project Number:** 4682.007**Report Date:** 08/05/25**SAMPLE RESULTS**

Lab ID: L2545964-04
 Client ID: SH-14_1.5-1.9_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 09:00
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.42	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	ND		ug/kg	1.7	--	1
o-Xylene	ND		ug/kg	0.85	--	1
Xylenes, Total	ND		ug/kg	0.85	--	1
cis-1,2-Dichloroethene	6.1		ug/kg	0.85	--	1
1,2-Dichloroethene, Total	6.1		ug/kg	0.85	--	1
Dibromomethane	ND		ug/kg	1.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	--	1
Styrene	ND		ug/kg	0.85	--	1
Dichlorodifluoromethane	ND		ug/kg	8.5	--	1
Acetone	40		ug/kg	21	--	1
Carbon disulfide	ND		ug/kg	8.5	--	1
2-Butanone	14		ug/kg	8.5	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.5	--	1
2-Hexanone	ND		ug/kg	8.5	--	1
Bromochloromethane	ND		ug/kg	1.7	--	1
Tetrahydrofuran	ND		ug/kg	3.4	--	1
2,2-Dichloropropane	ND		ug/kg	1.7	--	1
1,2-Dibromoethane	ND		ug/kg	0.85	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Bromobenzene	ND		ug/kg	1.7	--	1
n-Butylbenzene	ND		ug/kg	0.85	--	1
sec-Butylbenzene	ND		ug/kg	0.85	--	1
tert-Butylbenzene	ND		ug/kg	1.7	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.7	--	1
o-Chlorotoluene	ND		ug/kg	1.7	--	1
p-Chlorotoluene	ND		ug/kg	1.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	--	1
Hexachlorobutadiene	ND		ug/kg	3.4	--	1
Isopropylbenzene	ND		ug/kg	0.85	--	1
p-Isopropyltoluene	ND		ug/kg	0.85	--	1
Naphthalene	ND		ug/kg	3.4	--	1
n-Propylbenzene	ND		ug/kg	0.85	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-04
 Client ID: SH-14_1.5-1.9_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 09:00
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	--	1
Ethyl ether	ND		ug/kg	1.7	--	1
Isopropyl Ether	ND		ug/kg	1.7	--	1
Tert-Butyl Alcohol	ND		ug/kg	17	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.7	--	1
1,4-Dioxane	ND		ug/kg	68	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	103		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-06
 Client ID: FD-2_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 13:05
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 08/03/25 11:49
 Analyst: JIC
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.39	--	1
Chloroform	ND		ug/kg	0.58	--	1
Carbon tetrachloride	ND		ug/kg	0.39	--	1
1,2-Dichloropropane	ND		ug/kg	0.39	--	1
Dibromochloromethane	ND		ug/kg	0.39	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.39	--	1
Tetrachloroethene	8.7		ug/kg	0.20	--	1
Chlorobenzene	ND		ug/kg	0.20	--	1
Trichlorofluoromethane	ND		ug/kg	1.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.39	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.20	--	1
Bromodichloromethane	ND		ug/kg	0.20	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.39	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.20	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.20	--	1
1,1-Dichloropropene	ND		ug/kg	0.20	--	1
Bromoform	ND		ug/kg	1.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.20	--	1
Benzene	ND		ug/kg	0.20	--	1
Toluene	ND		ug/kg	0.39	--	1
Ethylbenzene	ND		ug/kg	0.39	--	1
Chloromethane	ND		ug/kg	1.6	--	1
Bromomethane	ND		ug/kg	0.78	--	1
Vinyl chloride	ND		ug/kg	0.39	--	1
Chloroethane	ND		ug/kg	0.78	--	1
1,1-Dichloroethene	ND		ug/kg	0.39	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.58	--	1

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545964

Project Number: 4682.007

Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-06
 Client ID: FD-2_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 13:05
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.22		ug/kg	0.20	--	1
1,2-Dichlorobenzene	ND		ug/kg	0.78	--	1
1,3-Dichlorobenzene	ND		ug/kg	0.78	--	1
1,4-Dichlorobenzene	ND		ug/kg	0.78	--	1
Methyl tert butyl ether	ND		ug/kg	0.78	--	1
p/m-Xylene	ND		ug/kg	0.78	--	1
o-Xylene	ND		ug/kg	0.39	--	1
Xylenes, Total	ND		ug/kg	0.39	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.39	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.39	--	1
Dibromomethane	ND		ug/kg	0.78	--	1
1,2,3-Trichloropropane	ND		ug/kg	0.78	--	1
Styrene	ND		ug/kg	0.39	--	1
Dichlorodifluoromethane	ND		ug/kg	3.9	--	1
Acetone	ND		ug/kg	9.8	--	1
Carbon disulfide	ND		ug/kg	3.9	--	1
2-Butanone	ND		ug/kg	3.9	--	1
4-Methyl-2-pentanone	ND		ug/kg	3.9	--	1
2-Hexanone	ND		ug/kg	3.9	--	1
Bromochloromethane	ND		ug/kg	0.78	--	1
Tetrahydrofuran	ND		ug/kg	1.6	--	1
2,2-Dichloropropane	ND		ug/kg	0.78	--	1
1,2-Dibromoethane	ND		ug/kg	0.39	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.20	--	1
Bromobenzene	ND		ug/kg	0.78	--	1
n-Butylbenzene	ND		ug/kg	0.39	--	1
sec-Butylbenzene	ND		ug/kg	0.39	--	1
tert-Butylbenzene	ND		ug/kg	0.78	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	0.78	--	1
o-Chlorotoluene	ND		ug/kg	0.78	--	1
p-Chlorotoluene	ND		ug/kg	0.78	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.2	--	1
Hexachlorobutadiene	ND		ug/kg	1.6	--	1
Isopropylbenzene	ND		ug/kg	0.39	--	1
p-Isopropyltoluene	ND		ug/kg	0.39	--	1
Naphthalene	ND		ug/kg	1.6	--	1
n-Propylbenzene	ND		ug/kg	0.39	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-06
Client ID: FD-2_20250722
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 13:05
Date Received: 07/22/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	0.78	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	0.78	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	0.78	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	0.78	--	1
Ethyl ether	ND		ug/kg	0.78	--	1
Isopropyl Ether	ND		ug/kg	0.78	--	1
Tert-Butyl Alcohol	ND		ug/kg	7.8	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	0.78	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	0.78	--	1
1,4-Dioxane	ND		ug/kg	31	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-07
 Client ID: EB-1_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 15:05
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/03/25 23:26
 Analyst: MJV

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

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545964

Project Number: 4682.007

Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-07
 Client ID: EB-1_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 15:05
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	5.3		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-07
 Client ID: EB-1_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 15:05
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-08
 Client ID: TB-2_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 16:00
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 08/03/25 09:37
 Analyst: JIC
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	1.0	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.50	--	1
Chlorobenzene	ND		ug/kg	0.50	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	--	1
Bromodichloromethane	ND		ug/kg	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--	1
1,1-Dichloropropene	ND		ug/kg	0.50	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Benzene	ND		ug/kg	0.50	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	1.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1

Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2545964**Project Number:** 4682.007**Report Date:** 08/05/25**SAMPLE RESULTS**

Lab ID: L2545964-08
 Client ID: TB-2_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 16:00
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	1.0	--	1
Xylenes, Total	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	2.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	--	1
Styrene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	25	--	1
Carbon disulfide	ND		ug/kg	10	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
Tetrahydrofuran	ND		ug/kg	4.0	--	1
2,2-Dichloropropane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Bromobenzene	ND		ug/kg	2.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	2.0	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1
p-Chlorotoluene	ND		ug/kg	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	4.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-08
Client ID: TB-2_20250722
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 16:00
Date Received: 07/22/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--	1
Ethyl ether	ND		ug/kg	2.0	--	1
Isopropyl Ether	ND		ug/kg	2.0	--	1
Tert-Butyl Alcohol	ND		ug/kg	20	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--	1
1,4-Dioxane	ND		ug/kg	80	--	1

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

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/03/25 16:21
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG2098813-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/03/25 16:21
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG2098813-5					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/03/25 16:21
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG2098813-5					
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	99		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/03/25 09:11
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,06,08 Batch: WG2098830-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/03/25 09:11
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,06,08 Batch: WG2098830-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	25	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8260D
 Analytical Date: 08/03/25 09:11
 Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,06,08 Batch: WG2098830-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545964

Project Number: 4682.007

Report Date: 08/05/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG2098813-3 WG2098813-4								
Methylene chloride	94		96		70-130	2		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	90		89		63-132	1		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	87		86		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	84		85		70-130	1		20
Chlorobenzene	99		100		75-130	1		25
Trichlorofluoromethane	100		94		62-150	6		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	98		99		67-130	1		20
Bromodichloromethane	97		99		67-130	2		20
trans-1,3-Dichloropropene	97		98		70-130	1		20
cis-1,3-Dichloropropene	95		96		70-130	1		20
1,1-Dichloropropene	98		100		70-130	2		20
Bromoform	79		80		54-136	1		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	110		110		70-130	0		25
Toluene	100		100		70-130	0		25
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		120		64-130	9		20
Bromomethane	43		43		39-139	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545964

Project Number: 4682.007

Report Date: 08/05/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG2098813-3 WG2098813-4								
Vinyl chloride	120		120		55-140	0		20
Chloroethane	86		86		55-138	0		20
1,1-Dichloroethene	95		98		61-145	3		25
trans-1,2-Dichloroethene	98		100		70-130	2		20
Trichloroethene	100		100		70-130	0		25
1,2-Dichlorobenzene	96		99		70-130	3		20
1,3-Dichlorobenzene	97		99		70-130	2		20
1,4-Dichlorobenzene	98		100		70-130	2		20
Methyl tert butyl ether	92		93		63-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	94		97		70-130	3		20
Dibromomethane	94		94		70-130	0		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	96		95		36-147	1		20
Acetone	100		110		58-148	10		20
Carbon disulfide	100		110		51-130	10		20
2-Butanone	120		120		63-138	0		20
4-Methyl-2-pentanone	98		100		59-130	2		20
2-Hexanone	99		100		57-130	1		20
Bromochloromethane	92		89		70-130	3		20
Tetrahydrofuran	120		120		58-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545964

Project Number: 4682.007

Report Date: 08/05/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG2098813-3 WG2098813-4								
2,2-Dichloropropane	98		98		63-133	0		20
1,2-Dibromoethane	91		92		70-130	1		20
1,1,1,2-Tetrachloroethane	90		91		64-130	1		20
Bromobenzene	94		96		70-130	2		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	97		100		70-130	3		20
o-Chlorotoluene	120		120		70-130	0		20
p-Chlorotoluene	110		120		70-130	9		20
1,2-Dibromo-3-chloropropane	74		78		41-144	5		20
Hexachlorobutadiene	72		76		63-130	5		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	98		100		70-130	2		20
Naphthalene	62	Q	70		70-130	12		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	68	Q	73		70-130	7		20
1,2,4-Trichlorobenzene	72		77		70-130	7		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,3,5-Trichlorobenzene	86		87		70-130	1		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
Ethyl ether	92		100		59-134	8		20
Isopropyl Ether	120		120		70-130	0		20
Tert-Butyl Alcohol	80		82		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545964

Project Number: 4682.007

Report Date: 08/05/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG2098813-3 WG2098813-4								
Ethyl-Tert-Butyl-Ether	95		100		70-130	5		20
Tertiary-Amyl Methyl Ether	84		87		66-130	4		20
1,4-Dioxane	80		84		56-162	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	123		122		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	107		110		70-130
Dibromofluoromethane	98		96		70-130



Lab Control Sample Analysis
Batch Quality Control

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06,08 Batch: WG2098830-3 WG2098830-4								
Methylene chloride	96		95		70-130	1		30
1,1-Dichloroethane	111		112		70-130	1		30
Chloroform	89		90		70-130	1		30
Carbon tetrachloride	92		93		70-130	1		30
1,2-Dichloropropane	114		118		70-130	3		30
Dibromochloromethane	94		98		70-130	4		30
1,1,2-Trichloroethane	95		99		70-130	4		30
Tetrachloroethene	112		117		70-130	4		30
Chlorobenzene	95		99		70-130	4		30
Trichlorofluoromethane	85		82		70-139	4		30
1,2-Dichloroethane	100		102		70-130	2		30
1,1,1-Trichloroethane	93		95		70-130	2		30
Bromodichloromethane	85		89		70-130	5		30
trans-1,3-Dichloropropene	101		105		70-130	4		30
cis-1,3-Dichloropropene	99		103		70-130	4		30
1,1-Dichloropropene	104		106		70-130	2		30
Bromoform	99		100		70-130	1		30
1,1,2,2-Tetrachloroethane	88		92		70-130	4		30
Benzene	95		98		70-130	3		30
Toluene	93		95		70-130	2		30
Ethylbenzene	94		98		70-130	4		30
Chloromethane	115		110		52-130	4		30
Bromomethane	64		63		57-147	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2545964

Project Number: 4682.007

Report Date: 08/05/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06,08 Batch: WG2098830-3 WG2098830-4								
Vinyl chloride	99		97		67-130	2		30
Chloroethane	78		77		50-151	1		30
1,1-Dichloroethene	101		99		65-135	2		30
trans-1,2-Dichloroethene	99		98		70-130	1		30
Trichloroethene	92		96		70-130	4		30
1,2-Dichlorobenzene	95		99		70-130	4		30
1,3-Dichlorobenzene	98		103		70-130	5		30
1,4-Dichlorobenzene	94		98		70-130	4		30
Methyl tert butyl ether	104		101		66-130	3		30
p/m-Xylene	92		97		70-130	5		30
o-Xylene	89		95		70-130	7		30
cis-1,2-Dichloroethene	94		98		70-130	4		30
Dibromomethane	90		91		70-130	1		30
1,2,3-Trichloropropane	92		96		68-130	4		30
Styrene	87		92		70-130	6		30
Dichlorodifluoromethane	70		67		30-146	4		30
Acetone	151	Q	137		54-140	10		30
Carbon disulfide	100		97		59-130	3		30
2-Butanone	129		126		70-130	2		30
4-Methyl-2-pentanone	141	Q	140	Q	70-130	1		30
2-Hexanone	125		124		70-130	1		30
Bromochloromethane	95		95		70-130	0		30
Tetrahydrofuran	116		110		66-130	5		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06,08 Batch: WG2098830-3 WG2098830-4								
2,2-Dichloropropane	93		91		70-130	2		30
1,2-Dibromoethane	98		103		70-130	5		30
1,1,1,2-Tetrachloroethane	94		97		70-130	3		30
Bromobenzene	96		106		70-130	10		30
n-Butylbenzene	98		102		70-130	4		30
sec-Butylbenzene	92		98		70-130	6		30
tert-Butylbenzene	93		98		70-130	5		30
1,3,5-Trichlorobenzene	109		114		70-139	4		30
o-Chlorotoluene	105		112		70-130	6		30
p-Chlorotoluene	93		100		70-130	7		30
1,2-Dibromo-3-chloropropane	105		107		68-130	2		30
Hexachlorobutadiene	117		121		67-130	3		30
Isopropylbenzene	94		98		70-130	4		30
p-Isopropyltoluene	96		100		70-130	4		30
Naphthalene	104		107		70-130	3		30
n-Propylbenzene	94		102		70-130	8		30
1,2,3-Trichlorobenzene	108		114		70-130	5		30
1,2,4-Trichlorobenzene	115		119		70-130	3		30
1,3,5-Trimethylbenzene	89		95		70-130	7		30
1,2,4-Trimethylbenzene	91		96		70-130	5		30
Ethyl ether	106		103		67-130	3		30
Isopropyl Ether	133	Q	132	Q	66-130	1		30
Tert-Butyl Alcohol	125		118		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06,08 Batch: WG2098830-3 WG2098830-4								
Ethyl-Tert-Butyl-Ether	124		122		70-130	2		30
Tertiary-Amyl Methyl Ether	98		98		70-130	0		30
1,4-Dioxane	101		102		65-136	1		30

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	102		100		70-130
4-Bromofluorobenzene	96		102		70-130
Dibromofluoromethane	94		93		70-130

PCBS

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-05
Client ID: SH-SS-01_0.5-1.0_20250722
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 13:50
Date Received: 07/22/25
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/01/25 17:48
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/01/25 00:18
Cleanup Method: EPA 3665A
Cleanup Date: 08/01/25
Cleanup Method: EPA 3660B
Cleanup Date: 08/01/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.2	--	1	A
Aroclor 1221	ND		ug/kg	55.2	--	1	A
Aroclor 1232	ND		ug/kg	55.2	--	1	A
Aroclor 1242	ND		ug/kg	55.2	--	1	A
Aroclor 1248	ND		ug/kg	55.2	--	1	A
Aroclor 1254	ND		ug/kg	55.2	--	1	A
Aroclor 1260	ND		ug/kg	55.2	--	1	B
Aroclor 1262	ND		ug/kg	55.2	--	1	A
Aroclor 1268	ND		ug/kg	55.2	--	1	A
PCBs, Total	ND		ug/kg	55.2	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 08/01/25 16:18
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/01/25 00:18
Cleanup Method: EPA 3665A
Cleanup Date: 08/01/25
Cleanup Method: EPA 3660B
Cleanup Date: 08/01/25

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05 Batch: WG2097708-1						
Aroclor 1016	ND		ug/kg	48.4	--	A
Aroclor 1221	ND		ug/kg	48.4	--	A
Aroclor 1232	ND		ug/kg	48.4	--	A
Aroclor 1242	ND		ug/kg	48.4	--	A
Aroclor 1248	ND		ug/kg	48.4	--	A
Aroclor 1254	ND		ug/kg	48.4	--	A
Aroclor 1260	ND		ug/kg	48.4	--	A
Aroclor 1262	ND		ug/kg	48.4	--	A
Aroclor 1268	ND		ug/kg	48.4	--	A
PCBs, Total	ND		ug/kg	48.4	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05 Batch: WG2097708-2 WG2097708-3									
Aroclor 1016	83		81		40-140	2		50	A
Aroclor 1260	81		78		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		86		30-150	A
Decachlorobiphenyl	94		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		84		30-150	B
Decachlorobiphenyl	74		72		30-150	B



INORGANICS & MISCELLANEOUS

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-01
Client ID: SH-09_4.0-4.9_20250722
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 13:05
Date Received: 07/22/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.1		%	0.100	NA	1	-	07/30/25 09:17	121,2540G	RJF



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-02
Client ID: SH-10_2.6-3.0_20250722
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 11:50
Date Received: 07/22/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	07/30/25 09:17	121,2540G	RJF



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-03
Client ID: SH-13_.08-1.7_20250722
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 09:25
Date Received: 07/22/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.5		%	0.100	NA	1	-	07/30/25 09:17	121,2540G	RJF



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-04
Client ID: SH-14_1.5-1.9_20250722
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 09:00
Date Received: 07/22/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.4		%	0.100	NA	1	-	07/30/25 09:17	121,2540G	RJF



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-05
Client ID: SH-SS-01_0.5-1.0_20250722
Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 13:50
Date Received: 07/22/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	07/30/25 09:17	121,2540G	RJF



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

SAMPLE RESULTS

Lab ID: L2545964-06
 Client ID: FD-2_20250722
 Sample Location: HILLSBOROUGH, NH

Date Collected: 07/22/25 13:05
 Date Received: 07/22/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.6		%	0.100	NA	1	-	07/30/25 09:17	121,2540G	RJF



Lab Duplicate Analysis

Batch Quality Control

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2096820-1 QC Sample: L2546364-01 Client ID: DUP Sample						
Solids, Total	81.1	82.2	%	1		20



Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2545964**Project Number:** 4682.007**Report Date:** 08/05/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal****Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2545964-01A	Vial MeOH preserved	NA	NA			Y	Absent		8260HLW-NH(14)
L2545964-01B	Vial water preserved	NA	NA			Y	Absent	22-JUL-25 21:01	8260HLW-NH(14)
L2545964-01C	Vial water preserved	NA	NA			Y	Absent	22-JUL-25 21:01	8260HLW-NH(14)
L2545964-01D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545964-02A	Vial MeOH preserved	NA	NA			Y	Absent		8260HLW-NH(14)
L2545964-02B	Vial water preserved	NA	NA			Y	Absent	22-JUL-25 21:01	8260HLW-NH(14)
L2545964-02C	Vial water preserved	NA	NA			Y	Absent	22-JUL-25 21:01	8260HLW-NH(14)
L2545964-02D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545964-03A	Vial MeOH preserved	NA	NA			Y	Absent		8260HLW-NH(14)
L2545964-03B	Vial water preserved	NA	NA			Y	Absent	22-JUL-25 21:01	8260HLW-NH(14)
L2545964-03C	Vial water preserved	NA	NA			Y	Absent	22-JUL-25 21:01	8260HLW-NH(14)
L2545964-03D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545964-04A	Vial MeOH preserved	NA	NA			Y	Absent		8260HLW-NH(14)
L2545964-04B	Vial water preserved	NA	NA			Y	Absent	22-JUL-25 21:01	8260HLW-NH(14)
L2545964-04C	Vial water preserved	NA	NA			Y	Absent	22-JUL-25 21:01	8260HLW-NH(14)
L2545964-04D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545964-05A	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545964-05B	Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		PCB-8082(365)
L2545964-06A	Vial MeOH preserved	NA	NA			Y	Absent		8260HLW-NH(14)
L2545964-06B	Vial water preserved	NA	NA			Y	Absent	22-JUL-25 21:01	8260HLW-NH(14)
L2545964-06C	Vial water preserved	NA	NA			Y	Absent	22-JUL-25 21:01	8260HLW-NH(14)
L2545964-06D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2545964-07A	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2545964-07B	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)

Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2545964**Project Number:** 4682.007**Report Date:** 08/05/25**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2545964-07C	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2545964-07D	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2545964-08A	Vial MeOH preserved	NA	NA			Y	Absent		8260HLW-NH(14)
L2545964-08B	Vial water preserved	NA	NA			Y	Absent	22-JUL-25 21:01	8260HLW-NH(14)

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

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

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2545964
Report Date: 08/05/25

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

EPA 624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625.1: alpha-Terpineol

EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

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

EPA 200.8: Al, Sb, As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1: Hg. **EPA 245.7:** Hg.

SM2340B

Pace Analytical Services LLC

ID No.:17873

Facility: **Northeast**

Revision 28

Department: **Quality Assurance**

Published Date: 07/25/2025

Title: **Certificate/Approval Program Summary**

Page 2 of 2

Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY KY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

MA M-MA00030, CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

CHAIN OF CUSTODY					PAGE <u>2</u> OF <u>2</u>		Date Rec'd in Lab: <u>07/22/25</u>		ALPHA Job #: <u>L2545964</u>																																																																																																																																																																																																																														
 <p>WEDBURY, MA TEL: 508-898-9220 FAX: 508-898-9193 MANFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288</p>					Project Information Project Name: Associated Electric Project Location: Hillsborough, NH Project #: 4682.007 Project Manager: Heidi Caprood ALPHA Quote #: NA		Report Information - Data Deliverables <input type="checkbox"/> FAX <input checked="" type="checkbox"/> EMAIL <input checked="" type="checkbox"/> ADEx <input type="checkbox"/> Add'l Deliverables		Billing Information <input checked="" type="checkbox"/> Same as Client info																																																																																																																																																																																																																														
Client Information Client: Sanborn, Head & Associates, Inc. Address: 6 Bedford Farms Drive, Suite 201 Phone: 603-229-1900 Fax: 603-229-1919 Email: hcaprood@sanbornhead.com					Regulatory Requirements/Report Limits State /Fed Program: NHDES Criteria: S-1/SRS MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are MCP Analytical Methods Required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are CT RCP (Reasonable Confidence Protocols) Required?																																																																																																																																																																																																																																
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PLEASE ANSWER QUESTIONS ABOVE! IS YOUR PROJECT MA MCP or CT RCP? <small>FORM NO 01-01 (rev. 18-Jan-2010)</small>					Relinquished By: <u>[Signature]</u> Date/Time: <u>7/22/25 11:30</u>		Received By: <u>[Signature]</u> Date/Time: <u>7/22/25 14:30</u>		Container Type: V Preservative: F		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.																																																																																																																																																																																																																												

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Sample Delivery Group Summary

Pace Job Number : L2545964

Received : 22-JUL-2025

Reviewer :

Account Name : Sanborn, Head & Associates, Inc.

Project Number : 4682.007

Project Name : ASSOCIATED ELECTRIC

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
--------	------------	--------------	-----------------	------------------------

Condition Information

- | | |
|--|------------|
| 1) All samples on COC received? | YES |
| 2) Extra samples received? | NO |
| 3) Are there any sample container discrepancies? | NO |
| 4) Are there any discrepancies between COC & sample labels? | NO |
| 5) Are samples in appropriate containers for requested analysis? | YES |
| 6) Are samples properly preserved for requested analysis? | YES |
| 7) Are samples within holding time for requested analysis? | YES |
| 8) All sampling equipment returned? | NA |

Volatile Organics/VPH

- | | |
|--|-----------|
| 1) Reagent Water Vials Frozen by Client? | NO |
|--|-----------|



ANALYTICAL REPORT

Lab Number:	L2549493
Client:	Sanborn, Head & Associates, Inc. 6 Bedford Farms Drive Suite 201 Bedford, NH 03110
ATTN:	Heidi Caprood
Phone:	(603) 229-1900
Project Name:	ASSOCIATED ELECTRIC
Project Number:	4682.007
Report Date:	08/21/25

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2549493-01	MW-1_20250806	WATER	HILLSBOROUGH, NH	08/06/25 11:10	08/07/25
L2549493-02	MW-2_20250806	WATER	HILLSBOROUGH, NH	08/06/25 11:40	08/07/25
L2549493-03	SH-MW-3R_20250806	WATER	HILLSBOROUGH, NH	08/06/25 12:00	08/07/25
L2549493-04	OW-1_20250806	WATER	HILLSBOROUGH, NH	08/06/25 10:35	08/07/25
L2549493-05	FD-1_GW_20250806	WATER	HILLSBOROUGH, NH	08/06/25 11:10	08/07/25
L2549493-06	TB-1_GW_20250806	WATER	HILLSBOROUGH, NH	08/06/25 12:30	08/07/25

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Case Narrative (continued)

Volatile Organics

L2549493-01D, -02D, -04D, and -05D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2549493-04D and -05D2: The analysis was performed utilizing a compromised vial.

L2549493-05D: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2549493-05D2: The sample has an elevated detection limit due to the dilution required by the elevated concentrations of target compounds in the sample.

L2549493-06: The surrogate recovery is above the acceptance criteria for dibromofluoromethane (132%). Since the sample was non-detect for all associated target analytes, re-analysis was not required.

The WG2104754-4 LCSD recovery associated with L2549493-06 is above the individual acceptance criteria for 2-butanone (140%), but within the overall method allowances. The results of the associated sample are reported; however, all positive detects for this compound are considered to have a potentially high bias.

The WG2105118-3/-4 LCS/LCSD recoveries associated with L2549493-01D and -05D are below the individual acceptance criteria for tert-butyl alcohol (68%), but within the overall method allowances. The results of the associated samples are reported; however, all results for this compound are considered to have a potentially low bias.

The WG2105118-3/-4 LCS/LCSD RPD associated with L2549493-01D and -05D is above the acceptance criteria for 1,4-dioxane (22%).

The WG2105721-3/-4 LCS/LCSD recoveries associated with L2549493-04D and -05D2 are outside the acceptance criteria for individual target compounds, but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially high bias for chloroethane (150%) and a potentially low bias for naphthalene (56%/58%) and tert-butyl alcohol (68%/62%).

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

Authorized Signature:



Kelly O'Neill

Title: Technical Director/Representative

Date: 08/21/25

ORGANICS

VOLATILES

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

SAMPLE RESULTS

Lab ID: L2549493-01 D
 Client ID: MW-1_20250806
 Sample Location: HILLSBOROUGH, NH

Date Collected: 08/06/25 11:10
 Date Received: 08/07/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/19/25 14:48
 Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	750	--	250
1,1-Dichloroethane	ND		ug/l	190	--	250
Chloroform	ND		ug/l	190	--	250
Carbon tetrachloride	ND		ug/l	120	--	250
1,2-Dichloropropane	ND		ug/l	440	--	250
Dibromochloromethane	ND		ug/l	120	--	250
1,1,2-Trichloroethane	ND		ug/l	190	--	250
Tetrachloroethene	23000		ug/l	120	--	250
Chlorobenzene	ND		ug/l	120	--	250
Trichlorofluoromethane	ND		ug/l	620	--	250
1,2-Dichloroethane	ND		ug/l	120	--	250
1,1,1-Trichloroethane	ND		ug/l	120	--	250
Bromodichloromethane	ND		ug/l	120	--	250
trans-1,3-Dichloropropene	ND		ug/l	120	--	250
cis-1,3-Dichloropropene	ND		ug/l	120	--	250
1,3-Dichloropropene, Total	ND		ug/l	120	--	250
1,1-Dichloropropene	ND		ug/l	620	--	250
Bromoform	ND		ug/l	500	--	250
1,1,2,2-Tetrachloroethane	ND		ug/l	120	--	250
Benzene	ND		ug/l	120	--	250
Toluene	ND		ug/l	190	--	250
Ethylbenzene	ND		ug/l	120	--	250
Chloromethane	ND		ug/l	620	--	250
Bromomethane	ND		ug/l	250	--	250
Vinyl chloride	ND		ug/l	250	--	250
Chloroethane	ND		ug/l	250	--	250
1,1-Dichloroethene	ND		ug/l	120	--	250
trans-1,2-Dichloroethene	ND		ug/l	190	--	250

Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2549493**Project Number:** 4682.007**Report Date:** 08/21/25**SAMPLE RESULTS**

Lab ID: L2549493-01 D

Date Collected: 08/06/25 11:10

Client ID: MW-1_20250806

Date Received: 08/07/25

Sample Location: HILLSBOROUGH, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	120	--	250
Trichloroethene	470		ug/l	120	--	250
1,2-Dichlorobenzene	ND		ug/l	620	--	250
1,3-Dichlorobenzene	ND		ug/l	620	--	250
1,4-Dichlorobenzene	ND		ug/l	620	--	250
Methyl tert butyl ether	ND		ug/l	250	--	250
p/m-Xylene	ND		ug/l	250	--	250
o-Xylene	ND		ug/l	250	--	250
Xylenes, Total	ND		ug/l	250	--	250
cis-1,2-Dichloroethene	ND		ug/l	120	--	250
Dibromomethane	ND		ug/l	1200	--	250
1,2,3-Trichloropropane	ND		ug/l	1200	--	250
Styrene	ND		ug/l	250	--	250
Dichlorodifluoromethane	ND		ug/l	1200	--	250
Acetone	ND		ug/l	1200	--	250
Carbon disulfide	ND		ug/l	1200	--	250
2-Butanone	ND		ug/l	1200	--	250
4-Methyl-2-pentanone	ND		ug/l	1200	--	250
2-Hexanone	ND		ug/l	1200	--	250
Bromochloromethane	ND		ug/l	620	--	250
Tetrahydrofuran	ND		ug/l	1200	--	250
2,2-Dichloropropane	ND		ug/l	620	--	250
1,2-Dibromoethane	ND		ug/l	500	--	250
1,1,1,2-Tetrachloroethane	ND		ug/l	120	--	250
Bromobenzene	ND		ug/l	620	--	250
n-Butylbenzene	ND		ug/l	120	--	250
sec-Butylbenzene	ND		ug/l	120	--	250
tert-Butylbenzene	ND		ug/l	620	--	250
o-Chlorotoluene	ND		ug/l	620	--	250
p-Chlorotoluene	ND		ug/l	620	--	250
1,2-Dibromo-3-chloropropane	ND		ug/l	620	--	250
Hexachlorobutadiene	ND		ug/l	120	--	250
Isopropylbenzene	ND		ug/l	120	--	250
p-Isopropyltoluene	ND		ug/l	120	--	250
Naphthalene	ND		ug/l	620	--	250
n-Propylbenzene	ND		ug/l	120	--	250
1,2,3-Trichlorobenzene	ND		ug/l	620	--	250



Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2549493**Project Number:** 4682.007**Report Date:** 08/21/25**SAMPLE RESULTS**

Lab ID: L2549493-01 D

Date Collected: 08/06/25 11:10

Client ID: MW-1_20250806

Date Received: 08/07/25

Sample Location: HILLSBOROUGH, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	620	--	250
1,3,5-Trimethylbenzene	ND		ug/l	620	--	250
1,3,5-Trichlorobenzene	ND		ug/l	500	--	250
1,2,4-Trimethylbenzene	ND		ug/l	620	--	250
Ethyl ether	ND		ug/l	620	--	250
Isopropyl Ether	ND		ug/l	500	--	250
Tert-Butyl Alcohol	ND		ug/l	2500	--	250
Ethyl-Tert-Butyl-Ether	ND		ug/l	500	--	250
Tertiary-Amyl Methyl Ether	ND		ug/l	500	--	250
1,4-Dioxane	ND		ug/l	62000	--	250

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	104		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

SAMPLE RESULTS

Lab ID: L2549493-02 D
 Client ID: MW-2_20250806
 Sample Location: HILLSBOROUGH, NH

Date Collected: 08/06/25 11:40
 Date Received: 08/07/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/17/25 15:56
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	150	--	50
1,1-Dichloroethane	ND		ug/l	38	--	50
Chloroform	ND		ug/l	38	--	50
Carbon tetrachloride	ND		ug/l	25	--	50
1,2-Dichloropropane	ND		ug/l	88	--	50
Dibromochloromethane	ND		ug/l	25	--	50
1,1,2-Trichloroethane	ND		ug/l	38	--	50
Tetrachloroethene	5600		ug/l	25	--	50
Chlorobenzene	ND		ug/l	25	--	50
Trichlorofluoromethane	ND		ug/l	120	--	50
1,2-Dichloroethane	ND		ug/l	25	--	50
1,1,1-Trichloroethane	ND		ug/l	25	--	50
Bromodichloromethane	ND		ug/l	25	--	50
trans-1,3-Dichloropropene	ND		ug/l	25	--	50
cis-1,3-Dichloropropene	ND		ug/l	25	--	50
1,3-Dichloropropene, Total	ND		ug/l	25	--	50
1,1-Dichloropropene	ND		ug/l	120	--	50
Bromoform	ND		ug/l	100	--	50
1,1,1,2-Tetrachloroethane	ND		ug/l	25	--	50
Benzene	ND		ug/l	25	--	50
Toluene	ND		ug/l	38	--	50
Ethylbenzene	ND		ug/l	25	--	50
Chloromethane	ND		ug/l	120	--	50
Bromomethane	ND		ug/l	50	--	50
Vinyl chloride	ND		ug/l	50	--	50
Chloroethane	ND		ug/l	50	--	50
1,1-Dichloroethene	ND		ug/l	25	--	50
trans-1,2-Dichloroethene	ND		ug/l	38	--	50

Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2549493**Project Number:** 4682.007**Report Date:** 08/21/25**SAMPLE RESULTS**

Lab ID: L2549493-02 D

Date Collected: 08/06/25 11:40

Client ID: MW-2_20250806

Date Received: 08/07/25

Sample Location: HILLSBOROUGH, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	1700		ug/l	25	--	50
Trichloroethene	3600		ug/l	25	--	50
1,2-Dichlorobenzene	ND		ug/l	120	--	50
1,3-Dichlorobenzene	ND		ug/l	120	--	50
1,4-Dichlorobenzene	ND		ug/l	120	--	50
Methyl tert butyl ether	ND		ug/l	50	--	50
p/m-Xylene	ND		ug/l	50	--	50
o-Xylene	ND		ug/l	50	--	50
Xylenes, Total	ND		ug/l	50	--	50
cis-1,2-Dichloroethene	1700		ug/l	25	--	50
Dibromomethane	ND		ug/l	250	--	50
1,2,3-Trichloropropane	ND		ug/l	250	--	50
Styrene	ND		ug/l	50	--	50
Dichlorodifluoromethane	ND		ug/l	250	--	50
Acetone	ND		ug/l	250	--	50
Carbon disulfide	ND		ug/l	250	--	50
2-Butanone	ND		ug/l	250	--	50
4-Methyl-2-pentanone	ND		ug/l	250	--	50
2-Hexanone	ND		ug/l	250	--	50
Bromochloromethane	ND		ug/l	120	--	50
Tetrahydrofuran	ND		ug/l	250	--	50
2,2-Dichloropropane	ND		ug/l	120	--	50
1,2-Dibromoethane	ND		ug/l	100	--	50
1,1,1,2-Tetrachloroethane	ND		ug/l	25	--	50
Bromobenzene	ND		ug/l	120	--	50
n-Butylbenzene	ND		ug/l	25	--	50
sec-Butylbenzene	ND		ug/l	25	--	50
tert-Butylbenzene	ND		ug/l	120	--	50
o-Chlorotoluene	ND		ug/l	120	--	50
p-Chlorotoluene	ND		ug/l	120	--	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	--	50
Hexachlorobutadiene	ND		ug/l	25	--	50
Isopropylbenzene	ND		ug/l	25	--	50
p-Isopropyltoluene	ND		ug/l	25	--	50
Naphthalene	ND		ug/l	120	--	50
n-Propylbenzene	ND		ug/l	25	--	50
1,2,3-Trichlorobenzene	ND		ug/l	120	--	50



Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2549493**Project Number:** 4682.007**Report Date:** 08/21/25**SAMPLE RESULTS**

Lab ID: L2549493-02 D

Date Collected: 08/06/25 11:40

Client ID: MW-2_20250806

Date Received: 08/07/25

Sample Location: HILLSBOROUGH, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	120	--	50
1,3,5-Trimethylbenzene	ND		ug/l	120	--	50
1,3,5-Trichlorobenzene	ND		ug/l	100	--	50
1,2,4-Trimethylbenzene	ND		ug/l	120	--	50
Ethyl ether	ND		ug/l	120	--	50
Isopropyl Ether	ND		ug/l	100	--	50
Tert-Butyl Alcohol	ND		ug/l	500	--	50
Ethyl-Tert-Butyl-Ether	ND		ug/l	100	--	50
Tertiary-Amyl Methyl Ether	ND		ug/l	100	--	50
1,4-Dioxane	ND		ug/l	12000	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

SAMPLE RESULTS

Lab ID: L2549493-03
Client ID: SH-MW-3R_20250806
Sample Location: HILLSBOROUGH, NH

Date Collected: 08/06/25 12:00
Date Received: 08/07/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/17/25 17:15
Analyst: PID

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

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

SAMPLE RESULTS

Lab ID: L2549493-03

Date Collected: 08/06/25 12:00

Client ID: SH-MW-3R_20250806

Date Received: 08/07/25

Sample Location: HILLSBOROUGH, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	10		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1



Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2549493**Project Number:** 4682.007**Report Date:** 08/21/25**SAMPLE RESULTS**

Lab ID: L2549493-03

Date Collected: 08/06/25 12:00

Client ID: SH-MW-3R_20250806

Date Received: 08/07/25

Sample Location: HILLSBOROUGH, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

SAMPLE RESULTS

Lab ID: L2549493-04 D
 Client ID: OW-1_20250806
 Sample Location: HILLSBOROUGH, NH

Date Collected: 08/06/25 10:35
 Date Received: 08/07/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/20/25 10:47
 Analyst: KAB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	30	--	10
1,1-Dichloroethane	ND		ug/l	7.5	--	10
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
1,2-Dichloropropane	ND		ug/l	18	--	10
Dibromochloromethane	ND		ug/l	5.0	--	10
1,1,2-Trichloroethane	ND		ug/l	7.5	--	10
Tetrachloroethene	1300		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
Trichlorofluoromethane	ND		ug/l	25	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
1,1,1-Trichloroethane	ND		ug/l	5.0	--	10
Bromodichloromethane	ND		ug/l	5.0	--	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	--	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	--	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	--	10
1,1-Dichloropropene	ND		ug/l	25	--	10
Bromoform	ND		ug/l	20	--	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Toluene	ND		ug/l	7.5	--	10
Ethylbenzene	ND		ug/l	5.0	--	10
Chloromethane	ND		ug/l	25	--	10
Bromomethane	ND		ug/l	10	--	10
Vinyl chloride	14		ug/l	10	--	10
Chloroethane	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
trans-1,2-Dichloroethene	ND		ug/l	7.5	--	10

Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2549493**Project Number:** 4682.007**Report Date:** 08/21/25**SAMPLE RESULTS**

Lab ID: L2549493-04 D

Date Collected: 08/06/25 10:35

Client ID: OW-1_20250806

Date Received: 08/07/25

Sample Location: HILLSBOROUGH, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	320		ug/l	5.0	--	10
Trichloroethene	230		ug/l	5.0	--	10
1,2-Dichlorobenzene	ND		ug/l	25	--	10
1,3-Dichlorobenzene	ND		ug/l	25	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
Methyl tert butyl ether	ND		ug/l	10	--	10
p/m-Xylene	ND		ug/l	10	--	10
o-Xylene	ND		ug/l	10	--	10
Xylenes, Total	ND		ug/l	10	--	10
cis-1,2-Dichloroethene	320		ug/l	5.0	--	10
Dibromomethane	ND		ug/l	50	--	10
1,2,3-Trichloropropane	ND		ug/l	50	--	10
Styrene	ND		ug/l	10	--	10
Dichlorodifluoromethane	ND		ug/l	50	--	10
Acetone	ND		ug/l	50	--	10
Carbon disulfide	ND		ug/l	50	--	10
2-Butanone	ND		ug/l	50	--	10
4-Methyl-2-pentanone	ND		ug/l	50	--	10
2-Hexanone	ND		ug/l	50	--	10
Bromochloromethane	ND		ug/l	25	--	10
Tetrahydrofuran	ND		ug/l	50	--	10
2,2-Dichloropropane	ND		ug/l	25	--	10
1,2-Dibromoethane	ND		ug/l	20	--	10
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	--	10
Bromobenzene	ND		ug/l	25	--	10
n-Butylbenzene	ND		ug/l	5.0	--	10
sec-Butylbenzene	ND		ug/l	5.0	--	10
tert-Butylbenzene	ND		ug/l	25	--	10
o-Chlorotoluene	ND		ug/l	25	--	10
p-Chlorotoluene	ND		ug/l	25	--	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	--	10
Hexachlorobutadiene	ND		ug/l	5.0	--	10
Isopropylbenzene	ND		ug/l	5.0	--	10
p-Isopropyltoluene	ND		ug/l	5.0	--	10
Naphthalene	ND		ug/l	25	--	10
n-Propylbenzene	ND		ug/l	5.0	--	10
1,2,3-Trichlorobenzene	ND		ug/l	25	--	10



Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2549493**Project Number:** 4682.007**Report Date:** 08/21/25**SAMPLE RESULTS**

Lab ID: L2549493-04 D

Date Collected: 08/06/25 10:35

Client ID: OW-1_20250806

Date Received: 08/07/25

Sample Location: HILLSBOROUGH, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	25	--	10
1,3,5-Trimethylbenzene	ND		ug/l	25	--	10
1,3,5-Trichlorobenzene	ND		ug/l	20	--	10
1,2,4-Trimethylbenzene	ND		ug/l	25	--	10
Ethyl ether	ND		ug/l	25	--	10
Isopropyl Ether	ND		ug/l	20	--	10
Tert-Butyl Alcohol	ND		ug/l	100	--	10
Ethyl-Tert-Butyl-Ether	ND		ug/l	20	--	10
Tertiary-Amyl Methyl Ether	ND		ug/l	20	--	10
1,4-Dioxane	ND		ug/l	2500	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	111		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

SAMPLE RESULTS

Lab ID: L2549493-05 D2
 Client ID: FD-1_GW_20250806
 Sample Location: HILLSBOROUGH, NH

Date Collected: 08/06/25 11:10
 Date Received: 08/07/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/20/25 11:14
 Analyst: KAB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	39000		ug/l	250	--	500
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,2-Dichloroethane-d4			118		70-130	
Toluene-d8			96		70-130	
4-Bromofluorobenzene			90		70-130	
Dibromofluoromethane			115		70-130	

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

SAMPLE RESULTS

Lab ID: L2549493-05 D
 Client ID: FD-1_GW_20250806
 Sample Location: HILLSBOROUGH, NH

Date Collected: 08/06/25 11:10
 Date Received: 08/07/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/19/25 15:36
 Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	30	--	10
1,1-Dichloroethane	ND		ug/l	7.5	--	10
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
1,2-Dichloropropane	ND		ug/l	18	--	10
Dibromochloromethane	ND		ug/l	5.0	--	10
1,1,2-Trichloroethane	ND		ug/l	7.5	--	10
Tetrachloroethene	20000	E	ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
Trichlorofluoromethane	ND		ug/l	25	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
1,1,1-Trichloroethane	ND		ug/l	5.0	--	10
Bromodichloromethane	ND		ug/l	5.0	--	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	--	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	--	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	--	10
1,1-Dichloropropene	ND		ug/l	25	--	10
Bromoform	ND		ug/l	20	--	10
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Toluene	ND		ug/l	7.5	--	10
Ethylbenzene	ND		ug/l	5.0	--	10
Chloromethane	ND		ug/l	25	--	10
Bromomethane	ND		ug/l	10	--	10
Vinyl chloride	ND		ug/l	10	--	10
Chloroethane	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
trans-1,2-Dichloroethene	ND		ug/l	7.5	--	10



Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2549493**Project Number:** 4682.007**Report Date:** 08/21/25**SAMPLE RESULTS**

Lab ID: L2549493-05 D

Date Collected: 08/06/25 11:10

Client ID: FD-1_GW_20250806

Date Received: 08/07/25

Sample Location: HILLSBOROUGH, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	53		ug/l	5.0	--	10
Trichloroethene	1000		ug/l	5.0	--	10
1,2-Dichlorobenzene	ND		ug/l	25	--	10
1,3-Dichlorobenzene	ND		ug/l	25	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
Methyl tert butyl ether	ND		ug/l	10	--	10
p/m-Xylene	ND		ug/l	10	--	10
o-Xylene	ND		ug/l	10	--	10
Xylenes, Total	ND		ug/l	10	--	10
cis-1,2-Dichloroethene	53		ug/l	5.0	--	10
Dibromomethane	ND		ug/l	50	--	10
1,2,3-Trichloropropane	ND		ug/l	50	--	10
Styrene	ND		ug/l	10	--	10
Dichlorodifluoromethane	ND		ug/l	50	--	10
Acetone	ND		ug/l	50	--	10
Carbon disulfide	ND		ug/l	50	--	10
2-Butanone	ND		ug/l	50	--	10
4-Methyl-2-pentanone	ND		ug/l	50	--	10
2-Hexanone	ND		ug/l	50	--	10
Bromochloromethane	ND		ug/l	25	--	10
Tetrahydrofuran	ND		ug/l	50	--	10
2,2-Dichloropropane	ND		ug/l	25	--	10
1,2-Dibromoethane	ND		ug/l	20	--	10
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	--	10
Bromobenzene	ND		ug/l	25	--	10
n-Butylbenzene	ND		ug/l	5.0	--	10
sec-Butylbenzene	ND		ug/l	5.0	--	10
tert-Butylbenzene	ND		ug/l	25	--	10
o-Chlorotoluene	ND		ug/l	25	--	10
p-Chlorotoluene	ND		ug/l	25	--	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	--	10
Hexachlorobutadiene	ND		ug/l	5.0	--	10
Isopropylbenzene	ND		ug/l	5.0	--	10
p-Isopropyltoluene	ND		ug/l	5.0	--	10
Naphthalene	ND		ug/l	25	--	10
n-Propylbenzene	ND		ug/l	5.0	--	10
1,2,3-Trichlorobenzene	ND		ug/l	25	--	10



Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2549493**Project Number:** 4682.007**Report Date:** 08/21/25**SAMPLE RESULTS**

Lab ID: L2549493-05 D

Date Collected: 08/06/25 11:10

Client ID: FD-1_GW_20250806

Date Received: 08/07/25

Sample Location: HILLSBOROUGH, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	25	--	10
1,3,5-Trimethylbenzene	ND		ug/l	25	--	10
1,3,5-Trichlorobenzene	ND		ug/l	20	--	10
1,2,4-Trimethylbenzene	ND		ug/l	25	--	10
Ethyl ether	ND		ug/l	25	--	10
Isopropyl Ether	ND		ug/l	20	--	10
Tert-Butyl Alcohol	ND		ug/l	100	--	10
Ethyl-Tert-Butyl-Ether	ND		ug/l	20	--	10
Tertiary-Amyl Methyl Ether	ND		ug/l	20	--	10
1,4-Dioxane	ND		ug/l	2500	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	102		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

SAMPLE RESULTS

Lab ID: L2549493-06
 Client ID: TB-1_GW_20250806
 Sample Location: HILLSBOROUGH, NH

Date Collected: 08/06/25 12:30
 Date Received: 08/07/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/18/25 14:21
 Analyst: MJV

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

Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2549493**Project Number:** 4682.007**Report Date:** 08/21/25**SAMPLE RESULTS**

Lab ID: L2549493-06

Date Collected: 08/06/25 12:30

Client ID: TB-1_GW_20250806

Date Received: 08/07/25

Sample Location: HILLSBOROUGH, NH

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

SAMPLE RESULTS

Lab ID: L2549493-06
 Client ID: TB-1_GW_20250806
 Sample Location: HILLSBOROUGH, NH

Date Collected: 08/06/25 12:30
 Date Received: 08/07/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	132	Q	70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/17/25 12:52
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG2104734-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/17/25 12:52
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG2104734-5					
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/17/25 12:52
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG2104734-5					
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 08/17/25 12:52
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG2104734-5					
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/18/25 13:59
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG2104754-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/18/25 13:59
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG2104754-5					
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/18/25 13:59
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG2104754-5					
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 08/18/25 13:59
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG2104754-5					
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	122		70-130

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/19/25 06:46
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05 Batch: WG2105118-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/19/25 06:46
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05 Batch: WG2105118-5					
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/19/25 06:46
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05 Batch: WG2105118-5					
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/19/25 06:46
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05 Batch: WG2105118-5					
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

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

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/20/25 09:54
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG2105721-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/20/25 09:54
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG2105721-5					
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/20/25 09:54
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG2105721-5					
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 08/20/25 09:54
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG2105721-5					
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	111		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG2104734-3 WG2104734-4								
Methylene chloride	86		87		70-130	1		20
1,1-Dichloroethane	95		93		70-130	2		20
Chloroform	84		85		70-130	1		20
Carbon tetrachloride	85		84		63-132	1		20
1,2-Dichloropropane	97		99		70-130	2		20
Dibromochloromethane	91		92		63-130	1		20
1,1,2-Trichloroethane	93		97		70-130	4		20
Tetrachloroethene	89		90		70-130	1		20
Chlorobenzene	98		98		75-130	0		25
Trichlorofluoromethane	94		94		62-150	0		20
1,2-Dichloroethane	84		85		70-130	1		20
1,1,1-Trichloroethane	86		85		67-130	1		20
Bromodichloromethane	85		85		67-130	0		20
trans-1,3-Dichloropropene	83		85		70-130	2		20
cis-1,3-Dichloropropene	90		92		70-130	2		20
1,1-Dichloropropene	86		86		70-130	0		20
Bromoform	88		92		54-136	4		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	93		93		70-130	0		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG2104734-3 WG2104734-4								
Toluene	92		92		70-130	0		25
Ethylbenzene	98		98		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	69		69		39-139	0		20
Vinyl chloride	100		100		55-140	0		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	92		92		61-145	0		25
trans-1,2-Dichloroethene	92		93		70-130	1		20
Trichloroethene	92		93		70-130	1		25
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	99		100		70-130	1		20
Methyl tert butyl ether	83		85		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	94		94		70-130	0		20
Dibromomethane	89		90		70-130	1		20
1,2,3-Trichloropropane	100		100		64-130	0		20
Styrene	95		95		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG2104734-3 WG2104734-4								
Dichlorodifluoromethane	83		83		36-147	0		20
Acetone	96		94		58-148	2		20
Carbon disulfide	93		92		51-130	1		20
2-Butanone	100		98		63-138	2		20
4-Methyl-2-pentanone	94		97		59-130	3		20
2-Hexanone	85		90		57-130	6		20
Bromochloromethane	100		100		70-130	0		20
Tetrahydrofuran	92		94		58-130	2		20
2,2-Dichloropropane	91		90		63-133	1		20
1,2-Dibromoethane	97		98		70-130	1		20
1,1,1,2-Tetrachloroethane	94		94		64-130	0		20
Bromobenzene	95		97		70-130	2		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	92		93		70-130	1		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	90		90		41-144	0		20
Hexachlorobutadiene	85		88		63-130	3		20

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG2104734-3 WG2104734-4								
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	94		95		70-130	1		20
Naphthalene	97		100		70-130	3		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	87		91		70-130	4		20
1,2,4-Trichlorobenzene	86		88		70-130	2		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,3,5-Trichlorobenzene	88		90		70-130	2		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
Ethyl ether	100		100		59-134	0		20
Isopropyl Ether	92		95		70-130	3		20
Tert-Butyl Alcohol	114		116		70-130	2		20
Ethyl-Tert-Butyl-Ether	94		95		70-130	1		20
Tertiary-Amyl Methyl Ether	87		87		66-130	0		20
1,4-Dioxane	118		122		56-162	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG2104734-3 WG2104734-4

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		86		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG2104754-3 WG2104754-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	130		120		70-130	8		20
Chloroform	130		120		70-130	8		20
Carbon tetrachloride	120		110		63-132	9		20
1,2-Dichloropropane	120		120		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		110		70-130	10		20
Tetrachloroethene	110		97		70-130	13		20
Chlorobenzene	110		110		75-130	0		25
Trichlorofluoromethane	120		110		62-150	9		20
1,2-Dichloroethane	120		120		70-130	0		20
1,1,1-Trichloroethane	120		110		67-130	9		20
Bromodichloromethane	120		120		67-130	0		20
trans-1,3-Dichloropropene	97		96		70-130	1		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	96		97		54-136	1		20
1,1,2,2-Tetrachloroethane	110		120		67-130	9		20
Benzene	120		110		70-130	9		25

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG2104754-3 WG2104754-4								
Toluene	110		110		70-130	0		25
Ethylbenzene	120		110		70-130	9		20
Chloromethane	130		120		64-130	8		20
Bromomethane	100		88		39-139	13		20
Vinyl chloride	140		130		55-140	7		20
Chloroethane	130		120		55-138	8		20
1,1-Dichloroethene	120		110		61-145	9		25
trans-1,2-Dichloroethene	120		110		70-130	9		20
Trichloroethene	120		110		70-130	9		25
1,2-Dichlorobenzene	110		100		70-130	10		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	99		100		63-130	1		20
p/m-Xylene	115		110		70-130	4		20
o-Xylene	115		110		70-130	4		20
cis-1,2-Dichloroethene	120		120		70-130	0		20
Dibromomethane	120		120		70-130	0		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Styrene	120		115		70-130	4		20

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG2104754-3 WG2104754-4								
Dichlorodifluoromethane	130		120		36-147	8		20
Acetone	110		120		58-148	9		20
Carbon disulfide	120		110		51-130	9		20
2-Butanone	130		140	Q	63-138	7		20
4-Methyl-2-pentanone	97		99		59-130	2		20
2-Hexanone	100		110		57-130	10		20
Bromochloromethane	120		110		70-130	9		20
Tetrahydrofuran	120		130		58-130	8		20
2,2-Dichloropropane	120		110		63-133	9		20
1,2-Dibromoethane	97		99		70-130	2		20
1,1,1,2-Tetrachloroethane	98		94		64-130	4		20
Bromobenzene	100		99		70-130	1		20
n-Butylbenzene	120		98		53-136	20		20
sec-Butylbenzene	110		97		70-130	13		20
tert-Butylbenzene	110		95		70-130	15		20
o-Chlorotoluene	120		110		70-130	9		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	98		100		41-144	2		20
Hexachlorobutadiene	93		76		63-130	20		20

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Project Number: 4682.007

Lab Number: L2549493

Report Date: 08/21/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG2104754-3 WG2104754-4								
Isopropylbenzene	100		96		70-130	4		20
p-Isopropyltoluene	110		95		70-130	15		20
Naphthalene	96		97		70-130	1		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	98		97		70-130	1		20
1,2,4-Trichlorobenzene	96		92		70-130	4		20
1,3,5-Trimethylbenzene	110		100		64-130	10		20
1,3,5-Trichlorobenzene	96		89		70-130	8		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
Ethyl ether	110		110		59-134	0		20
Isopropyl Ether	110		110		70-130	0		20
Tert-Butyl Alcohol	114		126		70-130	10		20
Ethyl-Tert-Butyl-Ether	96		98		70-130	2		20
Tertiary-Amyl Methyl Ether	90		92		66-130	2		20
1,4-Dioxane	124		128		56-162	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG2104754-3 WG2104754-4

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		113		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	109		110		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05 Batch: WG2105118-3 WG2105118-4								
Methylene chloride	91		92		70-130	1		20
1,1-Dichloroethane	96		92		70-130	4		20
Chloroform	100		99		70-130	1		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	95		92		70-130	3		20
Dibromochloromethane	90		90		63-130	0		20
1,1,2-Trichloroethane	98		98		70-130	0		20
Tetrachloroethene	100		99		70-130	1		20
Chlorobenzene	96		94		75-130	2		25
Trichlorofluoromethane	94		95		62-150	1		20
1,2-Dichloroethane	92		91		70-130	1		20
1,1,1-Trichloroethane	100		99		67-130	1		20
Bromodichloromethane	92		91		67-130	1		20
trans-1,3-Dichloropropene	87		87		70-130	0		20
cis-1,3-Dichloropropene	88		86		70-130	2		20
1,1-Dichloropropene	92		90		70-130	2		20
Bromoform	81		80		54-136	1		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		25

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05 Batch: WG2105118-3 WG2105118-4								
Toluene	99		96		70-130	3		25
Ethylbenzene	95		93		70-130	2		20
Chloromethane	94		90		64-130	4		20
Bromomethane	75		70		39-139	7		20
Vinyl chloride	100		100		55-140	0		20
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	94		89		61-145	5		25
trans-1,2-Dichloroethene	90		91		70-130	1		20
Trichloroethene	100		99		70-130	1		25
1,2-Dichlorobenzene	95		92		70-130	3		20
1,3-Dichlorobenzene	97		94		70-130	3		20
1,4-Dichlorobenzene	95		92		70-130	3		20
Methyl tert butyl ether	77		76		63-130	1		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Dibromomethane	94		92		70-130	2		20
1,2,3-Trichloropropane	94		93		64-130	1		20
Styrene	95		90		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05 Batch: WG2105118-3 WG2105118-4								
Dichlorodifluoromethane	98		95		36-147	3		20
Acetone	86		79		58-148	8		20
Carbon disulfide	94		88		51-130	7		20
2-Butanone	77		85		63-138	10		20
4-Methyl-2-pentanone	76		76		59-130	0		20
2-Hexanone	68		70		57-130	3		20
Bromochloromethane	110		100		70-130	10		20
Tetrahydrofuran	76		78		58-130	3		20
2,2-Dichloropropane	89		86		63-133	3		20
1,2-Dibromoethane	96		97		70-130	1		20
1,1,1,2-Tetrachloroethane	94		90		64-130	4		20
Bromobenzene	93		90		70-130	3		20
n-Butylbenzene	94		90		53-136	4		20
sec-Butylbenzene	94		90		70-130	4		20
tert-Butylbenzene	92		89		70-130	3		20
o-Chlorotoluene	93		90		70-130	3		20
p-Chlorotoluene	93		90		70-130	3		20
1,2-Dibromo-3-chloropropane	86		85		41-144	1		20
Hexachlorobutadiene	92		88		63-130	4		20

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05 Batch: WG2105118-3 WG2105118-4								
Isopropylbenzene	90		86		70-130	5		20
p-Isopropyltoluene	91		87		70-130	4		20
Naphthalene	84		84		70-130	0		20
n-Propylbenzene	92		89		69-130	3		20
1,2,3-Trichlorobenzene	88		87		70-130	1		20
1,2,4-Trichlorobenzene	86		83		70-130	4		20
1,3,5-Trimethylbenzene	89		85		64-130	5		20
1,3,5-Trichlorobenzene	90		86		70-130	5		20
1,2,4-Trimethylbenzene	88		84		70-130	5		20
Ethyl ether	88		88		59-134	0		20
Isopropyl Ether	94		90		70-130	4		20
Tert-Butyl Alcohol	68	Q	68	Q	70-130	0		20
Ethyl-Tert-Butyl-Ether	89		89		70-130	0		20
Tertiary-Amyl Methyl Ether	75		75		66-130	0		20
1,4-Dioxane	90		72		56-162	22	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05 Batch: WG2105118-3 WG2105118-4

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		97		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	92		90		70-130
Dibromofluoromethane	101		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG2105721-3 WG2105721-4								
Methylene chloride	93		96		70-130	3		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	99		100		70-130	1		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	98		96		70-130	2		20
Dibromochloromethane	90		93		63-130	3		20
1,1,2-Trichloroethane	94		96		70-130	2		20
Tetrachloroethene	100		99		70-130	1		20
Chlorobenzene	96		97		75-130	1		25
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	98		99		67-130	1		20
Bromodichloromethane	96		97		67-130	1		20
trans-1,3-Dichloropropene	86		86		70-130	0		20
cis-1,3-Dichloropropene	90		92		70-130	2		20
1,1-Dichloropropene	97		100		70-130	3		20
Bromoform	81		82		54-136	1		20
1,1,2,2-Tetrachloroethane	85		85		67-130	0		20
Benzene	100		100		70-130	0		25

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG2105721-3 WG2105721-4								
Toluene	93		94		70-130	1		25
Ethylbenzene	91		91		70-130	0		20
Chloromethane	91		96		64-130	5		20
Bromomethane	76		68		39-139	11		20
Vinyl chloride	120		110		55-140	9		20
Chloroethane	150	Q	150	Q	55-138	0		20
1,1-Dichloroethene	94		95		61-145	1		25
trans-1,2-Dichloroethene	96		98		70-130	2		20
Trichloroethene	98		100		70-130	2		25
1,2-Dichlorobenzene	90		91		70-130	1		20
1,3-Dichlorobenzene	92		93		70-130	1		20
1,4-Dichlorobenzene	92		92		70-130	0		20
Methyl tert butyl ether	83		87		63-130	5		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	92		89		70-130	3		20
Dibromomethane	97		94		70-130	3		20
1,2,3-Trichloropropane	90		89		64-130	1		20
Styrene	90		90		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG2105721-3 WG2105721-4								
Dichlorodifluoromethane	98		97		36-147	1		20
Acetone	84		95		58-148	12		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	99		90		63-138	10		20
4-Methyl-2-pentanone	74		74		59-130	0		20
2-Hexanone	72		72		57-130	0		20
Bromochloromethane	110		100		70-130	10		20
Tetrahydrofuran	110		92		58-130	18		20
2,2-Dichloropropane	92		95		63-133	3		20
1,2-Dibromoethane	92		89		70-130	3		20
1,1,1,2-Tetrachloroethane	91		92		64-130	1		20
Bromobenzene	88		88		70-130	0		20
n-Butylbenzene	87		88		53-136	1		20
sec-Butylbenzene	88		88		70-130	0		20
tert-Butylbenzene	85		83		70-130	2		20
o-Chlorotoluene	100		90		70-130	11		20
p-Chlorotoluene	85		85		70-130	0		20
1,2-Dibromo-3-chloropropane	71		78		41-144	9		20
Hexachlorobutadiene	85		85		63-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG2105721-3 WG2105721-4								
Isopropylbenzene	84		85		70-130	1		20
p-Isopropyltoluene	84		85		70-130	1		20
Naphthalene	56	Q	58	Q	70-130	4		20
n-Propylbenzene	86		87		69-130	1		20
1,2,3-Trichlorobenzene	71		74		70-130	4		20
1,2,4-Trichlorobenzene	74		77		70-130	4		20
1,3,5-Trimethylbenzene	89		88		64-130	1		20
1,3,5-Trichlorobenzene	87		88		70-130	1		20
1,2,4-Trimethylbenzene	85		86		70-130	1		20
Ethyl ether	94		92		59-134	2		20
Isopropyl Ether	93		96		70-130	3		20
Tert-Butyl Alcohol	68	Q	62	Q	70-130	9		20
Ethyl-Tert-Butyl-Ether	80		81		70-130	1		20
Tertiary-Amyl Methyl Ether	75		76		66-130	1		20
1,4-Dioxane	76		74		56-162	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ASSOCIATED ELECTRIC

Lab Number: L2549493

Project Number: 4682.007

Report Date: 08/21/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG2105721-3 WG2105721-4								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	118		119		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	90		88		70-130
Dibromofluoromethane	110		107		70-130

Project Name: ASSOCIATED ELECTRIC**Lab Number:** L2549493**Project Number:** 4682.007**Report Date:** 08/21/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2549493-01A	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2549493-01B	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2549493-01C	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2549493-02A	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2549493-02B	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2549493-02C	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2549493-03A	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2549493-03B	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2549493-03C	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2549493-04A	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2549493-04B	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2549493-04C	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2549493-05A	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2549493-05B	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2549493-05C	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2549493-06A	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)
L2549493-06B	Vial HCl preserved	NA	NA			Y	Absent		8260-NH(14)

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

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

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: ASSOCIATED ELECTRIC
Project Number: 4682.007

Lab Number: L2549493
Report Date: 08/21/25

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

EPA 624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625.1: alpha-Terpineol

EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

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

EPA 200.8: Al, Sb, As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1: Hg. **EPA 245.7:** Hg.

SM2340B

Pace Analytical Services LLC

ID No.:17873

Facility: **Northeast**

Revision 28

Department: **Quality Assurance**

Published Date: 07/25/2025

Title: **Certificate/Approval Program Summary**

Page 2 of 2

Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY KY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

MA M-MA00030, CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.



Sample Delivery Group Summary

Pace Job Number : L2549493

Received : 07-AUG-2025

Reviewer : Craig Sloma-Green

Account Name : Sanborn, Head & Associates, Inc.

Project Number : 4682.007

Project Name : ASSOCIATED ELECTRIC

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.8	

Condition Information

- | | |
|--|------------|
| 1) All samples on COC received? | YES |
| 2) Extra samples received? | NO |
| 3) Are there any sample container discrepancies? | NO |
| 4) Are there any discrepancies between COC & sample labels? | NO |
| 5) Are samples in appropriate containers for requested analysis? | YES |
| 6) Are samples properly preserved for requested analysis?
Following containers were received with headspace: -03B | NO |
| 7) Are samples within holding time for requested analysis? | YES |
| 8) All sampling equipment returned? | NA |

Volatile Organics/VPH

- | | |
|--|-----------|
| 1) Reagent Water Vials Frozen by Client? | NO |
|--|-----------|

Appendix D

Supplemental Assessment Analytical Tables

Table D.1
Summary of Groundwater Elevations
Associated Electric
Hillsborough, New Hampshire
NHDES Site Number 199203033

Location	Sample Date	Reference Elevation (ft. TPVC)	Depth to Water (ft. TPVC)	Groundwater Elevation (ft.)
MW-1	05/24/23	95.60	4.06	91.54
MW-1	08/06/25	95.60	5.07	90.53
MW-2	05/24/23	93.88	4.01	89.87
MW-2	08/06/25	93.88	4.85	89.03
MW-2D	05/24/23	93.75	4.89	88.86
MW-4	05/24/23	94.16	4.02	90.14
MW-5	05/25/23	92.98	5.61	87.37
MW-6	05/25/23	94.11	7.30	86.81
MW-7	05/24/23	96.74	2.76	93.98
MW-8	05/25/23	93.82	6.73	87.09
MW-9	05/25/23	87.17	6.07	81.10
MW-10	05/24/23	97.36	3.83	93.53
OW-1	05/24/23	95.85	4.35	91.50
OW-1	08/06/25	95.85	4.46	91.39
SH-MW-3R	08/06/25	--	6.93	--

Notes:

1. Water level measurements were recorded on the dates indicated by Sanborn Head.
2. The site datum was established by Geolnsight, Inc at 100.00 feet on a nail set in a utility pole located on the southeast corner of Building #3.
3. Fluctuations in the levels of groundwater may occur due to variations in temperature, rainfall, and other factors.

Table D.2
 Summary of Groundwater Analytical Results
 Associated Electric
 Hillsborough, New Hampshire
 NHDES Site Number 199203033

Analyte	Units	GW-1 (AGQS)	GW-2	MW-1	MW-1 DUP	MW-1	MW-1 DUP	MW-2	MW-2	MW-2D	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	OW-1	OW-1	SH-MW-3R	
				05/24/23	05/24/23	08/06/25	08/06/25	05/24/23	08/06/25	05/24/23	05/24/23	05/25/23	05/25/23	05/24/23	05/25/23	05/25/23	05/24/23	05/24/23	08/06/25	08/06/25	
Field Measure																					
Dissolved Oxygen	mg/L	NS	NS	4.17		1.51		3.70	2.04	2.62	2.42	4.30	5.25	7.17	3.78	1.84	2.14	4.70	2.29	0.23	
Oxidation/Reduction Potential	mV	NS	NS	123.8		-10.4		144.6	-5.7	-51.5	280.4	210.1	139.7	112.5	106.5	194.7	180.8	242.4	-22.2	-17.1	
pH	SU	NS	NS	6.05		6.77		5.7	6.53	7.08	4.09	4.35	5.35	5.86	5.62	5.20	6.24	5.48	7.13	7.37	
Specific Conductance	uS/cm	NS	NS	123		136.3		156	228	246	169	745	1,872	66.4	1,460	483	181	226	327.8	136	
Temperature	C	NS	NS	11.6		18.2		14.2	20.2	14.5	10.1	12.6	12.6	10.0	13.2	12.0	8.2	12.6	17.5	15	
Turbidity	NTU	NS	NS	7.74		18.7		43.4	13.2	156	15.0	21.2	171	8.87	12.5	3.12	6.05	85.5	805	>1,000	
VOCs																					
AVOCs		Varies by Analyte		ND																	
CVOCs																					
Dichloroethane (1,1-)	ug/L	81	130	<1	<1	<190	<7.5	<1	<38	6.4	<1	<1	<1	<1	<1	<1	<1	<1	<7.5	<0.75	
Dichloroethene (1,1-)	ug/L	7	630	<0.5	<0.5	<120	<5.0	4.6	<25	<0.5	<0.5	1.1	<0.5	<0.5	1	<0.5	<0.5	1.5	<5.0	<0.50	
Dichloroethene (cis-1,2-)	ug/L	70	NS	11	12	<120	53	760	1,700	46	<1	250	<1	<1	46	110	4.1	380	320	<0.50	
Dichloroethene (trans-1,2-)	ug/L	100	560	<1	<1	<190	<7.5	4.9	<38	<1	<1	1.6	<1	<1	<1	<1	<1	3.2	<7.5	<0.75	
Tetrachloroethene (PCE)	ug/L	5	240	22,000	22,000	23,000	39,000	13,000	5,600	19	<1	2,600	10	<1	470	270	14	2,400	1,300	<0.50	
Trichloroethene (TCE)	ug/L	5	20	290	300	470	1,000	3,300	3,600	8.6	<1	510	<1	<1	140	120	21	390	230	<0.50	
Vinyl chloride	ug/L	2	4	<1	<1	<250	<10	5	<50	2.4	<1	<1	<1	<1	6.7	<1	<1	46	14	<1.0	
Other VOCs																					
Acetone	ug/L	6,000	NS	<10	<10	<1200	<50	<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	10	
Dioxane (1,4-)	ug/L	0.32	NS	<0.2	<0.2	<62000	<2500	<0.2	<12000	56	<50	<50	<50	<50	<50	<50	<0.2	0.44	<2500	<250	
SVOCs																					
PAHs																					
Benzo(a)anthracene	ug/L	0.1	NS	<0.1	<0.1			<0.1		<0.1							<0.1	0.12			
Benzo(a)pyrene	ug/L	0.2	NS	<0.1	<0.1			<0.1		<0.1							<0.1	0.23			
Benzo(b)fluoranthene	ug/L	0.1	NS	<0.1	<0.1			<0.1		<0.1							<0.1	0.42			
Benzo(g,h,i)perylene	ug/L	210	NS	<0.1	<0.1			<0.1		<0.1							<0.1	0.25			
Benzo(k)fluoranthene	ug/L	0.5	NS	<0.1	<0.1			<0.1		<0.1							<0.1	0.15			
Chrysene	ug/L	5	NS	<0.1	<0.1			<0.1		<0.1							<0.1	0.23			
Fluoranthene	ug/L	280	NS	<0.1	<0.1			<0.1		<0.1							<0.1	0.30			
Indeno(1,2,3-cd)pyrene	ug/L	0.1	NS	<0.1	<0.1			<0.1		<0.1							<0.1	0.24			
Naphthalene	ug/L	100	1,700	<0.1	<0.1			0.18		<0.1							<0.1	<0.1			
Pyrene	ug/L	210	NS	<0.1	<0.1			<0.1		<0.1							<0.1	0.27			
Other SVOCs		Varies by Analyte		ND	ND			ND		ND											
PCBs		ug/L	0.5 [£]	NS	ND	ND		ND		ND							ND	ND			
Dissolved Metals																					
Arsenic	ug/L	5	NS	<0.5	<0.5			<0.5		6.8							<0.5	1.6			
Barium	ug/L	2,000	NS	20	20			29		16							35	31			

Table D.2
Summary of Groundwater Analytical Results
Associated Electric
Hillsborough, New Hampshire
NHDES Site Number 199203033

Notes:

1. Samples were collected by Sanborn Head on the dates indicated. Samples from 2023 were analyzed by Eastern Analytical, Inc. (EAI) of Concord, New Hampshire for VOCs by USEPA Method 8260C, low-level 1,4-dioxane by USEPA Method 8260B SIM, SVOCs by USEPA Method 8270E/8270E SIM, PCBs by USEPA Method 8082A, and RCRA 8 metals by USEPA 200.8. Samples from 2025 were analyzed by Pace Analytical Inc. (formerly Alpha Analytical) of Westborough, Massachusetts for VOCs by USEPA 8260D.
2. Only those analytes detected in one or more samples are presented above.
3. "GW-1" and "GW-2" Groundwater Standards are from the New Hampshire Department of Environmental Services (NHDES) Contaminated Sites Risk Characterization and Management Policy (RCMP) (January 1998, with 2000 through 2018 revisions/addenda). GW-1 Groundwater Standards are intended to be equivalent to the Ambient Groundwater Quality Standards (AGQSs) promulgated in Env-Or 600 (June 2015 with October 2016, September 2018, September 2019, May 2020, January 2021, and July 2021 amendments). For analytes where GW-1 and AGQS values differ, the values presented in this table reflect the AGQSs in the latest Env-Or 600 update. The AGQS/GW-1 Groundwater Standards are intended to be protective of groundwater as a source of drinking water. The GW-2 Groundwater Standards apply to groundwater as a potential source of indoor air contamination.
4. AVOCs are aromatic VOCs.
CVOCs are chlorinated VOCs.
"<" indicates the analyte was not detected above the listed laboratory reporting limit.
"ND" indicates not detected.
"NS" indicates no standard available.
"E" indicates the standard shown is for total PCBs. The sum of detected concentrations (i.e., non-detects will be assumed as zero) will be compared to the standard.
5. Total concentrations (e.g., Total CVOCs) are the sums of the detected concentrations of the relevant analytes.
6. **Bold** values exceed the NH GW-1 (AGQS) Groundwater Standard.
Italic values exceed the NH GW-2 Groundwater Standard.

Table D.3
Summary of Soil Analytical Results
Associated Electric
Hillsborough, New Hampshire
NHDES Site Number 199203033

Analyte	Unit	NHDES Soil Standards			SH-01	SH-01	SH-01A	SH-02	SH-03	SH-04	SH-04	SH-05	SH-06	SH-07	SH-08	SH-09	SH-09	SH-10	SH-11	SH-12	SH-13	SH-14	SH-SS-01	Trip Blank	Trip Blank	Equipment Blank
					07/21/25	07/21/25	07/21/25	07/21/25	07/21/25	07/21/25	07/21/25	07/21/25	07/21/25	07/21/25	07/21/25	07/22/25	07/22/25	07/22/25	07/21/25	07/21/25	07/22/25	07/22/25	07/22/25	07/21/25	07/22/25	07/22/25
		S-1/(SRS)	S-2	S-3	0.4-0.9'	0.4-0.9' Dup.	1.5-2.5'	1-2'	1-2'	0.8-1.2'	1.2-2.2'	0.2-0.7'	0.8-1.7'	0.6-1.5'	1.4-2.2'	4-4.9'	4-4.9' Dup.	2.6-3'	1-1.8'	0.9-1.8'	0.8-1.7'	1.5-1.9'	0.5-1'	--	--	Units in µg/L
PCBs																										
Total PCBs	ug/kg	1,000	10,000	25,000																						
VOCs																										
AVOCs																										
Toluene	ug/kg	100,000	100,000	100,000	<0.58	<40	<0.56	<0.58	<0.56	<93	<0.55	57	<38	<0.56	<0.52	<0.41	<0.39	<0.71	<0.53	<0.67	<0.81	<0.85		<1.0	<1.0	<0.75
Total AVOCs	ug/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
CVOCs																										
Chlorobenzene (Monochlorobenzene)	ug/kg	6,000	6,000	6,000	<0.29	<20	<0.28	<0.29	<0.28	<46	<0.28	<0.29	<19	<0.28	<0.26	<0.20	<0.20	<0.35	<0.27	<0.34	<0.40	3.4		<0.50	<0.50	<0.50
Chloroform (Trichloromethane)	ug/kg	3,000	3,000	3,000	<0.87	<59	<0.84	<0.87	<0.83	<140	<0.83	81	<57	<0.85	<0.79	<0.61	<0.58	<1.1	<0.80	<1.0	<1.2	<1.3		<1.5	<1.5	<0.75
Dichloroethene (cis-1,2-)	ug/kg	2,000	2,000	2,000	<0.58	<40	<0.56	<0.58	<0.56	1,500	<0.55	4,400	62	<0.56	<0.52	<0.41	<0.39	<0.71	<0.53	<0.67	<0.81	6.1		<1.0	<1.0	<0.50
Dichloroethene (trans-1,2-)	ug/kg	9,000	9,000	9,000	<0.87	<59	<0.84	<0.87	<0.83	<140	<0.83	120	<57	<0.85	<0.79	<0.61	<0.58	<1.1	<0.80	<1.0	<1.2	<1.3		<1.5	<1.5	<0.75
Dichloroethene (total 1,2-)	ug/kg	NS	NS	NS	<0.58	<40	<0.56	<0.58	<0.56	1,500	<0.55	4,500	62	<0.56	<0.52	<0.41	<0.39	<0.71	<0.53	<0.67	<0.81	6.1		<1.0	<1.0	<0.50
Tetrachloroethene (PCE)	ug/kg	2,000	2,000	2,000	13,000	8,400	16,000	4.8	3.8	40,000	4.4	210,000	4,100	0.77	<0.26	7.6	8.7	32	2.5	0.90	1.3	<0.42		<0.50	<0.50	<0.50
Trichloroethene (TCE)	ug/kg	800	800	800	68	57	120	<0.29	<0.28	3,900	<0.28	12,000	230	<0.28	<0.26	<0.20	0.22	0.52	<0.27	<0.34	<0.40	<0.42		<0.50	<0.50	<0.50
Total CVOCs	ug/kg	NS	NS	NS	13,068	8,457	16,120	4.8	3.8	45,400	4.4	226,601	4,392	0.77	ND	7.6	8.92	32.52	2.5	0.90	1.3	9.5		ND	ND	ND
Other VOCs																										
Acetone	ug/kg	75,000	75,000	75,000	<14	<400	<14	<14	<14	<930	<14	<14	<380	<14	<13	<10	<9.8	<18	<13	<17	56	40		<25	<25	5.3
Butanone (2-) (MEK)	ug/kg	51,000	51,000	51,000	<5.8	<400	<5.6	<5.8	<5.6	<930	<5.5	<5.7	<380	<5.6	<5.2	<4.1	<3.9	<7.1	<5.3	<6.7	22	14		<10	<10	<5.0
Total Other VOCs	ug/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	78	54		ND	ND	ND
Total VOCs	ug/kg	NS	NS	NS	13,068	8,457	16,120	4.8	3.8	45,400	4.4	226,658	4,392	0.77	ND	7.6	8.92	32.52	2.5	0.90	79.3	63.5		ND	ND	ND

Notes:

- Samples were collected by Sanborn Head personnel on the dates indicated and analyzed by Pace Analytical Services (formerly Alpha Analytical, Inc.) of Westborough, Massachusetts for VOCs by 8260D and PCBs by 8082A.
- Only those analytes detected one or more times are presented herein. Refer to the analytical laboratory reports for the complete list of parameters analyzed.
- "<" indicates the analyte was not detected above the listed laboratory reporting limit.
"ND" indicates not detected.
"AVOCs" are aromatic VOCs.
"CVOCs" are chlorinated VOCs.
"NS" indicates no standard available.
Blank cells indicate the sample was not analyzed for the given analyte.
- "NHDES Soil Standards" "S-1", "S-2", and "S-3" refer to the Method 1 S-1, S-2, and S-3 Soil Standards established under the New Hampshire Department of Environmental Services (NHDES) "Contaminated Sites Risk Characterization and Management Policy" (RCMP) (January 1998, with 2000 through 2018 revisions/addenda). The S-1 Soil Standards are typically equivalent to the Soil Remediation Standards (SRSs) promulgated in Env-Or 600 (December 2024). For analytes where the S-1 and SRS differ, the values presented reflect the S-1 standards in the latest RCMP update.
- Bold** values exceed the S-1/SRS Soil Standard.
Italic values exceed the S-2 Soil Standard.
Underlined values exceed the S-3 Soil Standard.

Appendix E

Supplemental Assessment Field Documentation

Groundwater Quality Field Sampling Summary

		Project Number: 4682.007				Date(s): August 6, 2025											
		Project Name: Associated Electric															
		Project Location: Hillsborough, New Hampshire															
pH, Conductivity, Temperature Meter: YSI Pro Plus & Oakton PC450 (pH only)						Project Manager: H. Caprood											
Water Level Meter: Heron Dipper-T						Collector(s): G. Bush											
Turbidity: Hach 2100 Q						Weather: Cloudy, 70s°F											
Field Measurements																	
Sampling Location	Sample Name	Sample Date	Sample Time	Ref. Point	Ref. Point Elev. (ft)	Depth to Water (ft)	Water Level Elevation (ft)	Depth to Bottom (ft ref. pt)	pH (S.U.)	Specific Conductance (µS/cm)	Temp. (°C)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Approx. Gallons Purged	Purge/Sample Device	Comment No.
MW-1	MW-1	8/6/25	11:10	TPVC	95.60	5.07	90.53	10.00	6.77	136	18.2	1.51	-10.4	18.7	3.0	Peristaltic Pump	1,2,4
MW-2	MW-2	8/6/25	11:40	TPVC	93.88	4.85	89.03	9.60	6.53	228	20.2	2.04	-5.7	13.2	2.5	Peristaltic Pump	1,4
SH-MW-3R	SH-MW-3R	8/6/25	12:00	TPVC	-	6.93	-	15.86	7.37	136	15.0	0.23	-17.1	>1,000	11.5	Bailer	3,5
OW-1	OW-1	8/6/25	10:35	TPVC	95.85	4.46	91.39	11.88	7.13	328	17.5	2.29	-22.2	805	3.8	Peristaltic Pump	3,4
Comments																	
<p>1. Purged three well volumes prior to sampling with a peristaltic pump and dedicated polyethylene and silicone tubing.</p> <p>2. Field duplicate (labeled "FD-1_GW") obtained from well MW-1.</p> <p>3. Purged dry prior to three well volumes. Sampled upon recharge same day.</p> <p>4. Purge water discharged back down the well.</p> <p>5. Purged and sampled with bailer to remove excess silt not captured during well development.</p>																	

Summary of Monitoring Well Development

		Project Number: 4682.007				Date: July 21 - 22, 2025														
		Project Name: Associated Electric				Project Manager: H. Caprood														
		Project Location: Hillsborough, New Hampshire				Field Representative: G. Bush; C. Vignola														
Equipment Used: YSI Pro Plus, Hach 2100Q; Geotech Perist.										Weather: Sunny 70s°F										
Well	Development Performed Date	Pre-Development Water Level (ft ref. TPVC)	Pumping Duration (min)	Approximate Volume Purged (gal)	Silt @ Bottom of Well	Depth to Bottom (ft ref. TPVC)		Turbidity (NTU) Pre- & Post-Development		pH (s.u.) Pre- & Post-Development		Dissolved Oxygen (mg/l) Pre- & Post-Development		Oxidation Reduction Potential (mV) Pre- & Post-Development		Sp. Cond. (µS/cm) Pre- & Post-Development		Temperature (°C) Pre- & Post-Development		Comments
						Pre-	Post-	Pre-	Post-	Pre-	Post-	Pre-	Post-	Pre-	Post-	Pre-	Post-	Pre-	Post-	
MW-1	07/22/25	5.02	16	4.25	N	10.00	10.00	115	24.2	5.41	5.79	1.41	1.94	-6.8	-6.0	145	132	15.9	16.4	2
MW-2	07/21/25	4.58	16	4.25	N	9.60	9.60	7.13	6.74	5.69	5.72	2.09	4.39	-4.9	5.6	254	232	20.3	19.3	2
SH-MW-3R	07/22/25	6.42	30	3.0	N	15.86	15.86	>1,000	>1,000	6.71	6.76	1.13	2.00	19.4	-10.1	129	95	17.5	18.0	2,3
OW-1	07/22/25	4.28	30	5.0	N	11.88	11.88	406	386	6.08	6.50	1.09	5.63	-17.4	-39.6	275	233	17.4	16.8	1,2
Comments																				
<p>1. OW-1 purged dry twice. Waited for well to recharge and purged remaining volume to reach 3-5 well volumes.</p> <p>2. Purge water discharged back down the well.</p> <p>3. SH-MW-3R purged dry three times and allowed to recharge between purges. 3-5 well volume purge not reached.</p>																				



Project: Supplemental Assessment
 Location: Hillsborough, NH
 Project No.: 4682.007

Log of Boring SH-01

Ground Elevation: Not Available

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® 7822DT Direct Push

Sampling Method: 5' long by 2" O.D. Geoprobe® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
07/21/25	---	Not Measured		---	5'	---

Drilling Company: Eurofins Environment Testing Eastern Analytical

Foreman: B. Law

Date Started: 07/21/25

Date Finished: 07/21/25

Logged By: G. Bush

Checked By: H. Caprood

Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Pen/Rec (ft)	Field Testing Data	Log	Description		
0	S-1	0 - 5	5.0/ 2.4	PID: 35.1 ppmv PID: 75.1 ppmv PID: 48.3 ppmv PID: 28.7 ppmv		---0'--- TOPSOIL ---0.4'--- SAND ---5'---	S-1A (0 to 0.4'): Dark brown, TOPSOIL. Moist. S-1B (0.4 to 0.9'): Black to dark brown, fine to coarse SAND, trace Silt, trace Gravel, very few Root fragments. Moist. S-1C (0.9 to 1.7'): Brown/orange, fine to coarse SAND, trace Silt. Moist. S-1D (1.7 to 5'): Light brown, fine to coarse SAND, trace Silt. Moist to wet.	
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Boring terminated at 5 feet bgs. No refusal encountered.

NOTES:
 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs.
 2. Soil sample SH-01_(0.4-0.9') was collected as a grab sample at 10:25 on July 21, 2025. One duplicate sample (FD-1) was collected from 0.4-0.9' at 10:25.
 3. Samples analyzed for VOCs and total solids by Pace Analytical.

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Project: Supplemental Assessment
 Location: Hillsborough, NH
 Project No.: 4682.007

Log of Boring SH-01A

Ground Elevation: Not Available

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® 7822DT Direct Push

Sampling Method: 5' long by 2" O.D. Geoprobe® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
07/21/25	---	Not Measured		---	5'	---

Drilling Company: Eurofins Environment Testing Eastern Analytical

Foreman: B. Law

Date Started: 07/21/25

Date Finished: 07/21/25

Logged By: G. Bush

Checked By: H. Caprood

BORING LOG \\CONSERV\1\SHDATA\4600S\4682.007\WORK\LOGS\4682.007.LGB 2017 SANBORN HEAD V1.GDT 9/26/25

Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Pen/Rec (ft)	Field Testing Data	Log	Description		
0	S-1	0 - 5	5.0/ 2.7	PID: 45.1 ppmv PID: 52.8 ppmv PID: 55.9 ppmv			S-1A (0 to 0.5'): Dark brown, TOPSOIL. Moist.	
2						SAND	S-1B (0.5 to 1.5'): Light to dark brown, fine to coarse SAND, trace Silt, trace Gravel. Moist.	
4							S-1C (1.5 to 5'): Light to dark brown, fine to coarse SAND, trace Silt, trace Gravel. Moist to wet.	
5							Boring terminated at 5 feet bgs. No refusal encountered.	
6							NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs. 2. Soil sample SH-01A_(1.5-2.5') was collected as a grab sample at 10:55 on July 21, 2025. 3. Samples analyzed for VOCs and total solids by Pace Analytical.	
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Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® 7822DT Direct Push

Sampling Method: 5' long by 2" O.D. Geoprobe® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
07/21/25	---	Not Measured		---	5'	---

Drilling Company: Eurofins Environment Testing Eastern Analytical

Foreman: B. Law

Date Started: 07/21/25

Date Finished: 07/21/25

Logged By: G. Bush

Checked By: H. Caprood

Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Pen/Rec (ft)	Field Testing Data	Log	Description		
0	S-1	0 - 5	5.0/ 2.8	PID: 32.5 ppmv PID: 37.4 ppmv PID: 45.1 ppmv		TOPSOIL	S-1A (0 to 0.3'): Dark brown, TOPSOIL. Moist.	
							S-1B (0.3 to 1'): Dark brown, fine to coarse SAND, some Silt, trace Gravel. Moist.	
							S-1C (1 to 2'): Light brown, fine to coarse SAND, trace Silt. Moist.	
2				PID: 31.4 ppmv		SAND	S-1D (2 to 5'): Light brown, fine to coarse SAND, trace Silt, trace Gravel. Moist.	
4								
5								Boring terminated at 5 feet bgs. No refusal encountered.
6								NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs. 2. Soil sample SH-02 (1-2') was collected as a grab sample at 10:00 on July 21, 2025. 3. Samples analyzed for VOCs and total solids by Pace Analytical.
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Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® 7822DT Direct Push

Sampling Method: 5' long by 2" O.D. Geoprobe® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
07/21/25	---	Not Measured		---	10'	---

Drilling Company: Eurofins Environment Testing Eastern Analytical

Foreman: B. Law

Date Started: 07/21/25

Date Finished: 07/21/25

Logged By: G. Bush

Checked By: H. Caprood

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Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Pen/Rec (ft)	Field Testing Data	Log	Description		
0	S-1	0 - 5	5.0/ 2.7	PID: 22.2 ppmv PID: 32.4 ppmv PID: 32.1 ppmv PID: 34.8 ppmv PID: 33.6 ppmv		---0'--- TOPSOIL ---0.4'---	S-1A (0 to 0.4'): Dark brown, very few Brick fragments. TOPSOIL. Moist. S-1B (0.4 to 0.9'): Tan, fine to coarse SAND, trace Gravel, trace Silt. Moist. S-1C (0.9 to 1'): Dark brown, fine to coarse SAND, little Silt, trace Gravel. Moist. S-1D (1 to 2'): Tan, fine to coarse SAND, trace Gravel, trace Silt. Moist. S-1E (2 to 5'): Tan, fine to coarse SAND, trace Gravel, trace Silt. Moist to wet.	
5	S-2	5 - 10	5.0/ 2.6	PID: NA PID: NA PID: NA PID: NA		---6.4'---	S-2A (5 to 5.7'): Brown, fine to coarse SAND, trace Silt. Wet. S-2B (5.7 to 6'): Tan, fine to medium SAND, trace Silt. Wet. S-2C (6 to 6.4'): Brown, fine to coarse SAND, trace Silt. Wet. S-2D (6.4 to 10'): Gray, CLAY & SILT, trace Sand. Wet.	
10						---10'---	Boring terminated at 10 feet bgs. No refusal encountered.	
<p>NOTES:</p> <ol style="list-style-type: none"> Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs. Soil sample SH-03 (1-2') was collected as a grab sample at 09:25 on July 21, 2025. Samples analyzed for VOCs and total solids by Pace Analytical. 								

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® 7822DT Direct Push

Sampling Method: 5' long by 2" O.D. Geoprobe® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
07/21/25	---	Not Measured		---	5'	---

Drilling Company: Eurofins Environment Testing Eastern Analytical

Foreman: B. Law

Date Started: 07/21/25

Date Finished: 07/21/25

Logged By: G. Bush

Checked By: H. Caprood

Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Pen/Rec (ft)	Field Testing Data	Log	Description		
0	S-1	0 - 5	5.0/ 2.9	PID: 48.1 ppmv PID: 120.1 ppmv PID: 100.4 ppmv PID: 94.0 ppmv PID: 132.3 ppmv		--- 0'<br/ TOPSOIL ---0.4'	S-1A (0 to 0.4'): Dark brown, TOPSOIL. Moist.	
2							S-1B (0.4 to 0.8'): Brown, fine to coarse SAND, trace Silt, trace Gravel. Moist. S-1C (0.8 to 1.2'): Black, fine to coarse SAND, little Silt, trace Gravel, few Brick fragments, very few Asphalt fragments. Moist. S-1D (1.2 to 2.2'): Brown, fine to coarse SAND, trace Silt, trace Gravel. Moist. S-1E (2.2 to 5'): Brown, fine to coarse SAND, trace Silt, trace Gravel. Wet.	
4						--- 5'</td <td>Boring terminated at 5 feet bgs. No refusal encountered.</td> <td></td>	Boring terminated at 5 feet bgs. No refusal encountered.	
6							NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs. 2. Soil Sample SH-04_(0.8-1.2') was collected as a grab sample at 11:40 on July 21, 2025. 3. Samples analyzed for VOCs and total solids by Pace Analytical.	
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BORING LOG \\CONSERV\1\SHDATA\4600S\4682.007\WORK\LOGS\4682.007.LOGS.GPJ - 2017 SANBORN HEAD V1.GLB - 2017 SANBORN HEAD V1.GDT 9/26/25

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® 7822DT Direct Push

Sampling Method: 5' long by 2" O.D. Geoprobe® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
07/21/25	---	Not Measured		---	5'	---

Drilling Company: Eurofins Environment Testing Eastern Analytical

Foreman: B. Law

Date Started: 07/21/25

Date Finished: 07/21/25

Logged By: G. Bush

Checked By: H. Caprood

Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Pen/Rec (ft)	Field Testing Data	Log	Description		
0	S-1	0 - 5	5.0/ 2.2	PID: NA PID: 40.7 ppmv PID: 13.6 ppmv PID: NA		ASPHALT 0.2'	S-1A (0 to 0.2'): ASPHALT.	
2						SAND	S-1B (0.2 to 0.7'): Brown to black, fine to coarse SAND, trace Silt, very few Asphalt fragments. Moist. S-1C (0.7 to 1.7'): Brown to light brown, fine to coarse SAND, trace Silt, trace Gravel. Moist. S-1D (1.7 to 5'): Light brown, fine to coarse SAND, trace Silt. Lens of Clayey Silt from 2-2.1'. Wet.	
5					-----5'-----		Boring terminated at 5 feet bgs. No refusal encountered.	
6							NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs. 2. Soil sample SH-05 (0.2-0.7') was collected as a grab sample at 12:15 on July 21, 2025. 3. Samples analyzed for VOCs and total solids by Pace Analytical.	

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Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® 7822DT Direct Push

Sampling Method: 5' long by 2" O.D. Geoprobe® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
07/21/25	---	Not Measured		---	5'	---

Drilling Company: Eurofins Environment Testing Eastern Analytical

Foreman: B. Law

Date Started: 07/21/25

Date Finished: 07/21/25

Logged By: G. Bush

Checked By: H. Caprood

Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Pen/Rec (ft)	Field Testing Data	Log	Description		
0	S-1	0 - 5	5.0/ 2.5	PID: NA PID: 44.5 ppmv PID: 50.5 ppmv PID: NA PID: 595 ppmv		ASPHALT	S-1A (0 to 0.2'): ASPHALT.	
2						SAND	S-1B (0.2 to 0.8'): Brown to light brown, fine to coarse SAND, little Gravel, trace Silt. Moist. S-1C (0.8 to 1.7'): Light brown to gray, fine to coarse SAND and Gravel, trace Silt. Moist. S-1D (1.7 to 2'): Brown, fine to coarse SAND, trace Silt. Wet. S-1E (2 to 5'): Black, fine to coarse SAND, little Silt. Few Fibrous particles observed from 2.0-2.2'. Wet.	
5							Boring terminated at 5 feet bgs. No refusal encountered.	
6							NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs. 2. Soil sample SH-06_(0.8-1.7') was collected as a grab sample at 12:50 on July 21, 2025. 3. Samples analyzed for VOCs and total solids by Pace Analytical.	

BORING LOG \\CONSERV\1\SHDATA\4600S\4682.007\WORK\LOGS\4682.007 LOGS.GPJ - 2017 SANBORN HEAD V1.GLB - 2017 SANBORN HEAD V1.GDT 9/26/25

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® 7822DT Direct Push

Sampling Method: 5' long by 2" O.D. Geoprobe® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
07/21/25	---	Not Measured		---	5'	---

Drilling Company: Eurofins Environment Testing Eastern Analytical

Foreman: B. Law

Date Started: 07/21/25

Date Finished: 07/21/25

Logged By: G. Bush

Checked By: H. Caprood

Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Pen/Rec (ft)	Field Testing Data	Log	Description		
0	S-1	0 - 5	5.0/ 2.8	PID: NA PID: 25.6 ppmv PID: 29.3 ppmv PID: 29.6 ppmv		ASPHALT 0.2' SAND 1.5' CLAYEY SILT 5'	S-1A (0 to 0.2'): ASPHALT. S-1B (0.2 to 0.6'): Brown, fine to coarse SAND, trace Gravel, trace Silt. Moist. S-1C (0.6 to 1.5'): Brown to light brown, fine to coarse SAND, trace Gravel, trace Silt. Moist. S-1D (1.5 to 5'): Light brown, Clayey SILT, grading to Silty Sand. Wet.	
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Boring terminated at 5 feet bgs. No refusal encountered.

NOTES:
 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs.
 2. Soil sample SH-07_(0.6-1.5') was collected as a grab sample at 13:25 on July 21, 2025.
 3. Samples analyzed for VOCs and total solids by Pace Analytical.

BORING LOG \\CONSERV\1\SHDATA\4600S\4682.007\WORK\LOGS\4682.007 LOGS.GPJ - 2017 SANBORN HEAD V1.GLB - 2017 SANBORN HEAD V1.GDT 9/26/25

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® 7822DT Direct Push

Sampling Method: 5' long by 2" O.D. Geoprobe® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
07/21/25	---	Not Measured		---	5'	---

Drilling Company: Eurofins Environment Testing Eastern Analytical

Foreman: B. Law

Date Started: 07/21/25

Date Finished: 07/21/25

Logged By: G. Bush

Checked By: H. Caprood

Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Pen/Rec (ft)	Field Testing Data	Log	Description		
0	S-1	0 - 5	5.0/ 2.8	PID: NA PID: 27.7 ppmv PID: 41.6 ppmv PID: 91.2 ppmv PID: 76.0 ppmv	ASPHALT	0' - 0.3'	S-1A (0 to 0.3'): ASPHALT.	
					SAND	0.3' - 1'	S-1B (0.3 to 1'): Brown, fine to coarse SAND, trace Silt. Moist.	
					CLAYEY SILT	1' - 1.4'	S-1C (1 to 1.4'): Brown, Clayey SILT, some Sand, little Silt. Moist.	
					SAND	1.4' - 2.2'	S-1D (1.4 to 2.2'): Brown, fine to coarse SAND, little Silt, trace Gravel. Moist.	
					CLAYEY SILT	2.2' - 5'	S-1E (2.2 to 5'): Dark brown, Clayey SILT, some Sand, little Silt. Wet.	
5	Boring terminated at 5 feet bgs. No refusal encountered.							
NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs. 2. Soil sample SH-08 (1.4-2.2') was collected as a grab sample at 13:55 on July 21, 2025. 3. Samples analyzed for VOCs and total solids by Pace Analytical.								

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Project: Supplemental Assessment
 Location: Hillsborough, NH
 Project No.: 4682.007

Log of Boring SH-10

Ground Elevation: Not Available

Sanborn, Head & Associates, Inc.

Drilling Method: Jack Hammer with Handheld Geoprobe® Direct Push

Sampling Method: 2' long by 1" MacroCore® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
07/22/25	---	Not Measured		---	6'	---

Drilling Company: Eurofins Environment Testing Eastern Analytical

Foreman: B. Law

Date Started: 07/22/25

Date Finished: 07/22/25

Logged By: G. Bush

Checked By: H. Caprood

Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Pen/Rec (ft)	Field Testing Data	Log	Description		
0	S-1	0 - 2	2.0/ 1.5	PID: 7.1 ppmv PID: 9.3 ppmv	[Dotted pattern representing sand]	----	S-1A (0 to 1.1'): Brown, fine to coarse SAND, trace Gravel, trace Silt. Moist.	Log starts beneath approximately 6-inch thick concrete slab.
2	S-2	2 - 4	2.0/ 1.7	PID: 9.5 ppmv PID: 9.6 ppmv PID: NA		SAND	S-1B (1.1 to 2'): Brown/gray, fine to coarse SAND, little Silt, trace Gravel. Moist. S-2A (2 to 2.6'): Brown, fine to coarse SAND, little Silt, trace Gravel. Moist. S-2B (2.6 to 3'): Brown/gray, fine to medium SAND, trace Silt. Moist. S-2C (3 to 4'): Dark brown, fine to coarse SAND, little Silt, trace Gravel. Wet.	
4	S-3	4 - 6	2.0/ 1.4	PID: NA			S-3 (4 to 6'): Dark brown, fine to coarse SAND, little Silt, trace Gravel. Grades coarser with depth. Wet.	
6						----	Boring terminated at 6 feet bgs. No refusal encountered.	
8							NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs. 2. Soil sample SH-010 (2.6-3') was collected as a grab sample at 11:50 on July 22, 2025. 3. Samples analyzed for VOCs and total solids by Pace Analytical.	
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Project: Supplemental Assessment
 Location: Hillsborough, NH
 Project No.: 4682.007

Log of Boring SH-11

Ground Elevation: Not Available

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® 7822DT Direct Push

Sampling Method: 5' long by 2" O.D. Geoprobe® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
07/21/25	---	Not Measured		---	5'	---

Drilling Company: Eurofins Environment Testing Eastern Analytical

Foreman: B. Law

Date Started: 07/21/25

Date Finished: 07/21/25

Logged By: G. Bush

Checked By: H. Caprood

Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Pen/Rec (ft)	Field Testing Data	Log	Description		
0	S-1	0 - 5	5.0/	PID: NA		---0'--- CONCRETE	S-1A (0 to 1'): CONCRETE.	
				PID: 53.4 ppmv		---1'--- SAND	S-1B (1 to 1.8'): Brown, fine to coarse SAND, trace Silt, trace Gravel. Seam of crushed Gravel at 1.5 to 1.6'. Moist.	
2				PID: 45.8 ppmv		---1.8'--- CLAYEY SILT	S-1C (1.8 to 5'): Dark brown, Clayey SILT, some Sand. Wet.	
4						---5'---	Boring terminated at 5 feet bgs. No refusal encountered.	
6							NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs. 2. Soil sample SH-11_(1-1.8') was collected as a grab sample at 15:20 on July 21, 2025. 3. Samples analyzed for VOCs and total solids by Pace Analytical.	
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Project: Supplemental Assessment
 Location: Hillsborough, NH
 Project No.: 4682.007

Log of Boring SH-12

Ground Elevation: Not Available

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® 7822DT Direct Push

Sampling Method: 5' long by 2" O.D. Geoprobe® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
07/21/25	---	Not Measured		---	5'	---

Drilling Company: Eurofins Environment Testing Eastern Analytical

Foreman: B. Law

Date Started: 07/21/25

Date Finished: 07/21/25

Logged By: G. Bush

Checked By: H. Caprood

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Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Pen/Rec (ft)	Field Testing Data	Log	Description		
0	S-1	0 - 5	5.0/ 2.5	PID: NA PID: 38.5 ppmv PID: 39.5 ppmv PID: 24.4 ppmv PID: 52.9 ppmv	CONCRETE	CONCRETE	S-1A (0 to 0.3'): CONCRETE.	
2					SAND	SAND	S-1B (0.3 to 0.9'): Brown, fine to coarse SAND, little Silt, trace Gravel. Moist. S-1C (0.9 to 1.8'): Light brown, fine to medium SAND, trace Silt. Moist. S-1D (1.8 to 2.3'): Brown, fine to coarse SAND, trace Silt. Moist. S-1E (2.3 to 5'): Brown, fine to coarse SAND, trace Silt. Wet.	
5							Boring terminated at 5 feet bgs. No refusal encountered.	
6							NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs. 2. Soil sample SH-12 (0.9-1.8') was collected as a grab sample at 14:55 on July 21, 2025. 3. Samples analyzed for VOCs and total solids by Pace Analytical.	
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Project: Supplemental Assessment
 Location: Hillsborough, NH
 Project No.: 4682.007

Log of Boring SH-13

Ground Elevation: Not Available

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® 7822DT Direct Push

Sampling Method: 5' long by 2" O.D. Geoprobe® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
07/22/25	---	Not Measured		---	5'	---

Drilling Company: Eurofins Environment Testing Eastern Analytical

Foreman: B. Law

Date Started: 07/22/25

Date Finished: 07/22/25

Logged By: G. Bush

Checked By: H. Caprood

Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Pen/Rec (ft)	Field Testing Data	Log	Description		
0	S-1	0 - 5	5.0/ 2.9	PID: NA PID: 2.1 ppmv PID: 2.1 ppmv PID: 1.9 ppmv PID: NA		CONCRETE SAND CLAYEY SILT	S-1A (0 to 0.5'): CONCRETE. S-1B (0.5 to 0.8'): Brown, fine to coarse SAND, trace Silt. Moist. S-1C (0.8 to 1.7'): Dark brown to brown, fine to coarse SAND, little Silt, trace Gravel, few Root pieces to fragments. Moist. S-1D (1.7 to 2.1'): Brown, fine to coarse SAND, little Silt, trace Gravel, few Root pieces to fragments. Wet. S-1E (2.1 to 5'): Dark brown, Clayey SILT, some Sand, very few Root fragments. Grades coarser with depth. Wet.	
5							Boring terminated at 5 feet bgs. No refusal encountered.	
NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs. 2. Soil sample SH-13 (0.8-1.7') was collected as a grab sample at 09:25 on July 22, 2025. 3. Samples analyzed for VOCs and total solids by Pace Analytical.								

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Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® 7822DT Direct Push

Sampling Method: 5' long by 2" O.D. Geoprobe® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
07/22/25	---	Not Measured		---	10'	---

Drilling Company: Eurofins Environment Testing Eastern Analytical

Foreman: B. Law

Date Started: 07/22/25

Date Finished: 07/22/25

Logged By: G. Bush

Checked By: H. Caprood

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Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks		
	Sample No.	Depth (ft)	Pen/Rec (ft)	Field Testing Data	Log	Description				
0	S-1	0 - 5	5.0/ 1.9	PID: NA PID: 1.5 ppmv PID: 15.96 ppmv PID: 9.1 ppmv		---0'---	CONCRETE	S-1A (0 to 0.4'): CONCRETE.		
						---0.4'---		SAND	S-1B (0.4 to 0.7'): Brown, fine to coarse SAND, some Gravel, trace Silt. Moist.	
						---1.5'---			S-1C (0.7 to 1.5'): Dark brown, fine to coarse SAND, little Silt, trace Gravel, very few Root fragments. Moist.	
2									S-1D (1.5 to 5'): Brown/gray, SILT & CLAY, some Sand, very few Root fragments. Seam of Wood fragments from 1.5 to 1.6'. Moist.	
							SILT & CLAY			
	S-2	5 - 10	5.0/ 2.5	PID: 4.2 ppmv PID: NA		---5'---	CLAYEY SILT	S-2A (5 to 5.8'): Dark brown, Clayey SILT, some Sand, trace Gravel, very few Root fragments. Wet.		
6							---5.8'---		S-2B (5.8 to 10'): Gray, SILT & CLAY. Grades to Silt and Sand with depth. Wet.	
									SILT & CLAY	
10						---10'---		Boring terminated at 10 feet bgs. No refusal encountered.		
								NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs. 2. Soil sample SH-14 (1.5-1.9') was collected as a grab sample at 09:00 on July 21, 2025. 3. Samples analyzed for VOCs and total solids by Pace Analytical.		

Sanborn, Head & Associates, Inc.

Drilling Method: Geoprobe® 7822DT Direct Push

Sampling Method: 5' long by 2" O.D. Geoprobe® Sampler

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
07/22/25	10:00	5'	Ground Surface	13'	13'	

Drilling Company: Eurofins Environment Testing Eastern Analytical

Foreman: B. Law

Date Started: 07/22/25

Date Finished: 07/22/25

Logged By: G. Bush

Checked By: H. Caprood

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Depth (ft)	Sample Information				Stratum		Geologic Description	Well Diagram	Well Description
	Sample No.	Depth (ft)	Pen/Rec (ft)	Field Testing Data	Log	Description			
-2									6" Dia. Protective Steel Casing with Locking Cap and Expansion Plug Set in Concrete (-3 to 0')
0	S-1	0 - 5	5.0/3.5	PID: 1.8 ppmv		SAND	S-1A (0 to 1.9'): Dark brown to gray, fine to coarse SAND, little Silt, trace Gravel, very few Wood and Root fragments. Moist.		Cuttings (0 to 1')
2				PID: 2.7 ppmv			S-1B (1.9 to 5'): Gray to light brown, SILT & CLAY, some Sand. Grades finer with depth. Moist.		Bentonite Chips (1 to 2')
5	S-2	5 - 10	5.0/2.4	PID: 2.3 ppmv		SILT & CLAY	S-2 (5 to 10'): Gray to light brown, SILT & CLAY, some Sand. Wet.		2" Dia. Sch. 40 PVC Well Screen (0.010" Slots) (2.7 to 13')
10	S-3	10 - 13	5.0/2.5	PID: 1.9 ppmv		CLAYEY SILT	S-3 (10 to 15'): Gray, Clayey SILT, some Sand, grading to Silt with depth. Wet.		Filter Sand (#1) (2 to 13')
13							Boring terminated at 13 feet bgs. No refusal encountered.		End Cap (13 to 13.1')
14	<p>NOTES:</p> <p>1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs.</p> <p>2. Samples analyzed for VOCs and total solids by Pace Analytical.</p>								

Sanborn, Head & Associates, Inc.

Drilling Method: Hand Auger

Sampling Method: Hand Auger

Drilling Company: Sanborn Head

Foreman: --

Date Started: 07/22/25

Date Finished: 07/22/25

Logged By: G. Bush

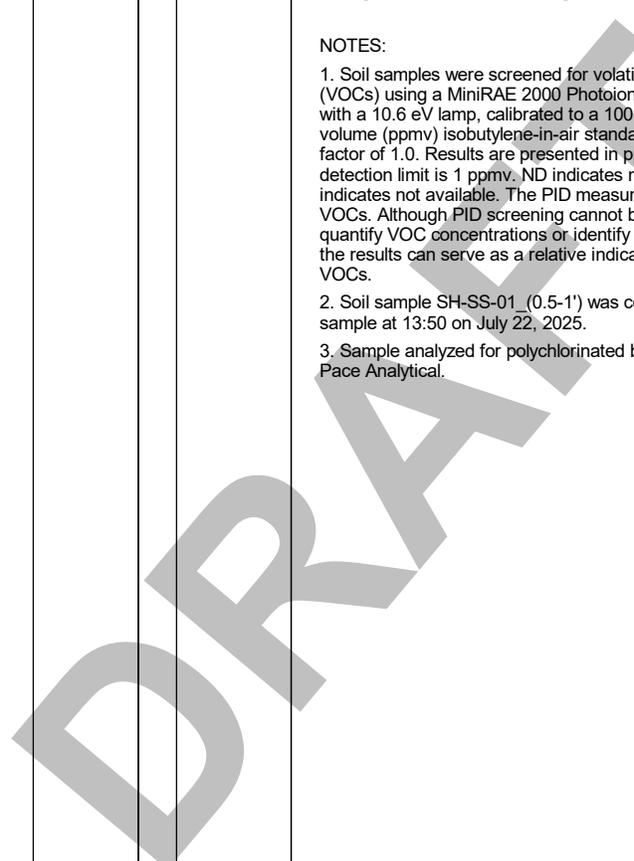
Checked By: H. Caprood

Groundwater Readings

Date	Time	Depth to Water	Ref. Pt.	Depth of Casing	Depth of Hole	Stab. Time
07/22/25	---	No Groundwater Encountered		---	1.5'	---

Depth (ft)	Sample Information				Stratum		Geologic Description	Remarks
	Sample No.	Depth (ft)	Pen/Rec (ft)	Field Testing Data	Log	Description		
0						----0'----		
	S-1	0.5 - 1	0.5/0.5	PID: 6.9 ppmv	[Pattern]	SAND	S-1 (0.5 to 1'): Dark brown to brown, fine to coarse SAND, little Silt, very few Root and Leaf fragments. Moist.	Sample collected beneath asphalt in a shallow trench. Bottom of trench was 0.5' bgs.
	S-2	1 - 1.5	0.5/0.5	PID: 9.2 ppmv		----1.5'----	S-2 (1 to 1.5'): Brown, fine to coarse SAND, little Silt, very few Root and Leaf fragments. Moist.	
2							Boring terminated at 1.5 feet bgs. No refusal encountered.	
4							NOTES: 1. Soil samples were screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID) with a 10.6 eV lamp, calibrated to a 100 parts per million by volume (ppmv) isobutylene-in-air standard using a response factor of 1.0. Results are presented in ppmv; the typical detection limit is 1 ppmv. ND indicates not detected. NA indicates not available. The PID measures relative levels of VOCs. Although PID screening cannot be used directly to quantify VOC concentrations or identify individual compounds, the results can serve as a relative indicator for the presence of VOCs. 2. Soil sample SH-SS-01_(0.5-1') was collected as a grab sample at 13:50 on July 22, 2025. 3. Sample analyzed for polychlorinated biphenyls (PCBs) by Pace Analytical.	
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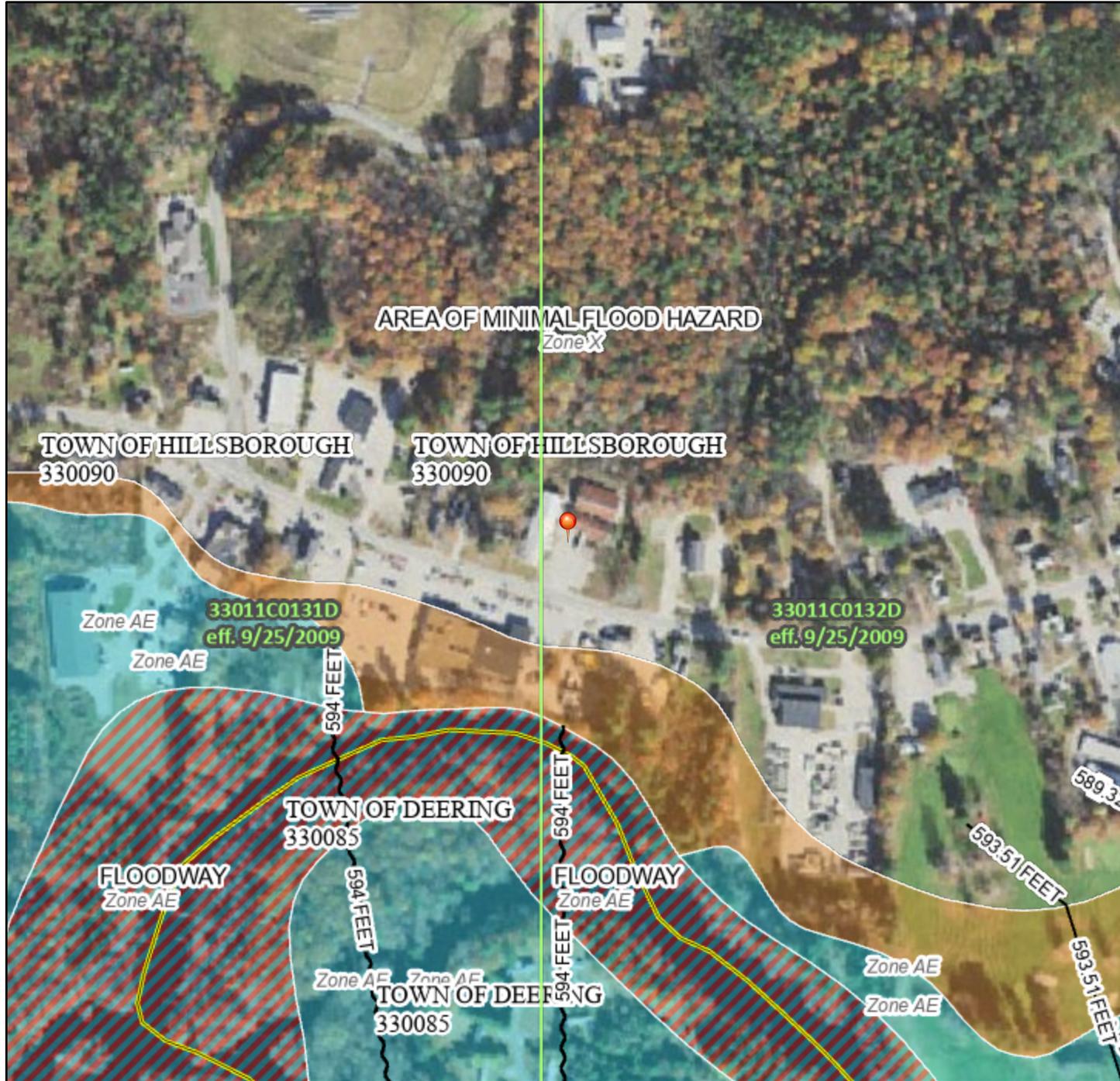
Appendix F

FEMA Flood Map Output

National Flood Hazard Layer FIRMMette



71°54'40"W 43°6'51"N



1:6,000 71°54'3"W 43°6'24"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/30/2024 at 10:31 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.