ADDITIONAL SITE INVESTIGATION REPORT

Laundromat Property Site
1021 South Broadway Street
Menomonie, Dunn County, Wisconsin 54751

WDNR BRRTS No. 02-17-587803
AET Project No. P-0011071

Date:
December 11, 2023

Prepared for:
Quarters Unlimited
N7487 State Highway 25
Menomonie, WI 54751

Geotechnical • Materials
Forensic • Environmental
Building Technology
Petrography/Chemistry

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December 11, 2023

Quarters Unlimited
N7487 State Highway 25
Menomonie, WI 54751

Attn: Wayne Moser
Submitted via Email: wmwasherman@gmail.com

RE: Additional Site Investigation Report
Laundromat Property Site
1021 South Broadway Street
Menomonie, Wisconsin 54751
WDNR BRRTS No. 02-17-587803
AET Project No. P-0011071

Dear Mr. Moser:

American Engineering Testing, Inc. has completed additional remedial investigation services at the above-referenced property in Menomonie, Wisconsin. These services were performed to further evaluate the extent of impact at the site, in accordance with our approved proposal dated March 18, 2022.

We appreciate the opportunity to serve you on this project. If you have any questions regarding the information presented in this Site Investigation report, or if we may be of additional service, please contact me.

Sincerely,
American Engineering Testing, Inc.

Michael K. Neal, Professional Hydrologist
Geomorphologist

Phone: (715) 861-5045
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E-mail: mneal@teamAET.com

cc: Matt Thompson, WDNR/RR, 1300 W. Clairemont Avenue, Eau Claire, WI 54701

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

A. Acronyms/Abbreviations and Definitions
B. Environmental Sampling Methods
C. Soil Boring Logs and Abandonment Forms
D. Laboratory Analytical Report and Chain-of-Custody
E. Concentration vs Time Graphs

EXECUTIVE SUMMARY

American Engineering Testing, Inc. (AET) was authorized by Quarters Unlimited, to conduct Site Investigation activities at the Laundromat Property site located at 1021 South Broadway Street, Menomonie, Dunn County, Wisconsin (the Site). The Wisconsin Department of Natural Resources (WDNR) denied site closure and directed Quarters Unlimited to complete a site investigation to define the extent of contamination discovered in May 2021 during the completion of a Phase II Environmental Site Assessment (ESA).

The results of our investigation have demonstrated that low concentrations of tetrachloroethene (PCE) detected in soil samples collected at depths of 14 to 16 feet below ground surface (bgs) are associated with the impacted groundwater smear zone and no residual soil is present on the Site.

Groundwater contaminated with PCE and trichloroethene (TCE) at levels exceeding groundwater enforcement standards (ES) remains on and off-site in an area that is approximately 300 feet by 280 feet. The contaminated groundwater extends off-site to the north onto the adjacent UW Stout paved parking lot property and the 2nd Street West right-of-way. The extent of impact is limited and defined by the lack of significant contamination in groundwater monitoring wells MW-4, MW-5, TW-8, TW-12, TW-14, TW-15, TW-16, and TW-17. The direction of groundwater flow is variable but trends toward the north, and contaminant concentration trends are generally stable or downward based on six rounds of groundwater sampling conducted over two years. No groundwater receptors have been identified, and vapor sampling indicates that the Site building and UW Stout maintenance building are not at risk for vapor intrusion.

Based on the investigation results to-date, the limited extent and stable concentrations of groundwater contamination, and lack of identified risk receptors, AET recommends that the contaminant impacts to groundwater be allowed to naturally attenuate. AET further recommends that this Site be considered for closure with a PAL exemption and continuing obligations.

1.0 INTRODUCTION

Quarters Unlimited authorized American Engineering Testing, Inc. (AET) to conduct site investigation activities at the Laundromat Property site located at 1021 South Broadway Street, Menomonie, Dunn County, Wisconsin (the Site). **Figure 1** shows the Site location and **Figure 2** shows the current Site layout and soil boring and monitoring well locations.

Appendix A contains a list of the acronyms and abbreviations used in this report.

1.1 Purpose

AET has completed the scope of services for this project to evaluate the degree and extent of previously identified soil and groundwater contamination and to identify if further investigation or remedial actions are necessary at the Site. AET also evaluated the potential for vapor intrusion from potential residual concentrations of chlorinated solvents that may be present in the sanitary sewer lines beneath the building and to identify if further vapor investigation or remedial actions are necessary at the Site. AET's services have been performed in accordance with generally accepted practices of the profession undertaken in similar studies at the same time and in the same geographical area, and for the following objectives:

- To attempt to define the extent and degree of previously identified soil and groundwater contamination.
- To attempt to further evaluate the vapor intrusion pathway.
- To evaluate the need for further remedial investigation.

2.0 BACKGROUND

2.1 Site Description and Features

The Site is located in the southwest quarter of the southwest quarter of Section 26, Township 28 North, Range 13 West, in the City of Menomonie, Dunn County, Wisconsin. The Site is an approximately 0.18-acre parcel located on the west side of South Broadway Street north of 11th Avenue West. The Site operates as a self-serve laundromat (Menomonie Quick Wash). The area is served by a municipal water supply and sanitary sewer system.

At present, neighboring property uses include University of Wisconsin Stout (UW Stout) campus parking lots to the north and west, South Broadway Street and UW Stout tennis courts to the east, and 11th Avenue West and a parking lot (formerly a gas station) to the south.

2.2 Physical Setting

The Site is located in the Central Plain Physiographic Province of northwestern Wisconsin. Fluvial and glacial processes have been an important geologic agent in determining the surface geology and

physiography of the Site, and it is generally situated on alluvial deposits composed of silty sand and gravel underlain by clay. Regionally, bedrock consists of Cambrian age sandstone at depths ranging from 20 to 50 feet.

Soils encountered at the Site are primarily non-waste fill (sand with varying amounts of silt and gravel) from the surface to approximately five feet below ground surface (bgs). Below the fill is coarse alluvium consisting of silty sand with varying amounts of silt, clay, and gravel to about 13 feet bgs. Below the coarse alluvium is mixed alluvium consisting of silty, gravelly, and lean clay with layers of silty sand or clayey silt. Bedrock was not encountered in the soil borings.

Topography at the Site is fairly level. Groundwater elevation data collected from the monitoring wells suggests that the groundwater gradient is relatively gentle, and that groundwater flow directions vary from west to north. Depth to groundwater measured in the monitoring wells ranged from approximately 9 to 14 feet bgs.

2.3 Previous Environmental Reports

AET concluded in their Phase I Environmental Site Assessment (ESA) report, dated May 3, 2021, that the past use of the Site as a dry cleaner and generation of hazardous solvent wastes are considered recognized environmental conditions (RECs) in connection with the Site. A Phase II ESA was completed to investigate the potential solvent-related soil, vapor, and/or groundwater contamination from use of the Site as a dry cleaner business.

As part of the Phase I ESA, AET reviewed the Wisconsin Department of Natural Resources (WDNR) Wisconsin Remediation and Redevelopment Database (WRRD) for active/closed remedial action sites for the Site and adjoining properties. One remedial action was identified on the adjacent south property on the WRRD database.

- Cenex C Store/Vista U Pump #12 at 1103 South Broadway Street located south of the Site is identified as a leaking underground storage tank (LUST) site (BRRTS No. 03-17-183724). In March 1998, petroleum contamination was reported from the unleaded gasoline underground storage tank (UST) system. The site investigation included seven soil borings and six groundwater monitoring wells. Soil contamination was minimal, and three years of groundwater monitoring determined groundwater contamination did not extend off-site and petroleum contaminant concentrations were decreasing. Groundwater elevation data collected from the monitoring wells suggested that groundwater flowed to the northeast. Based on the limited amount of soil and groundwater contamination and lack of off-site contamination, the Wisconsin Department of Commerce (WDCOM) closed the site on November 26, 2001, with a groundwater use restriction due to the presence of residual soil and groundwater contamination.
- An initial groundwater sample collected from a groundwater monitoring well located north of the Cenex Station on UW Stout property (MW-4) detected tetrachloroethene (PCE) and trichloroethene (TCE) at concentrations exceeding their NR 140 enforcement standards (ES). Follow up sampling for PCE and TCE was not continued during this investigation.

The scope of the initial Phase II work for this project included advancing one soil boring, two soil gas borings, and one sub-slab vapor probe inside the building. One soil sample, two outside soil gas samples, and one sub-slab vapor sample were analyzed for volatile organic compounds (VOCs). The measured results did not exceed regulatory criteria, except for the following:

- PCE concentration exceeding the soil to groundwater residual contaminant level (RCL) of 0.0036 parts per million (ppm) was detected in soil sample GP-1 (0.04 ppm) at a depth of 14-16 feet bgs.

Laboratory analyses of the soil gas samples detected various VOCs; however, the measured results did not exceed the WDNR's calculated Vapor Risk Screening Levels (VRSLs) for small commercial buildings.

On behalf of the property owner, AET submitted the Phase II investigation results to the WDNR and requested a review under a Technical Assistance, Environmental Liability Clarification Request. The purpose of this letter was to provide the property owner with clarifications as to environmental liabilities and current environmental conditions at the Site. Based on its review of the Phase II Investigation, the WDNR determined that additional investigation or response actions are required. The WDNR was notified of the soil contamination exceedance and in a July 29, 2021, letter, the WDNR also requested that a site investigation be completed to determine the degree and extent of the soil contamination.

AET completed additional site investigation activities on the Site. The results of the investigation were included in the Site Investigation report, Project No. P-0011071, dated December 8, 2022. Refer to that report for background and supplemental information. The additional soil and groundwater sampling was completed to further define the extent of contamination at the Site.

Twelve soil samples were analyzed for VOCs for this investigation. Laboratory analyses detected VOC in two of the twelve soil samples analyzed. Based on the measured depth to groundwater (9 to 14 feet), the measured results did not exceed regulatory criteria and are associated with the impacted groundwater smear zone.

Three groundwater monitoring wells were installed in September 2021 and three monitoring wells were installed in May 2022. One quarterly round of groundwater samples was collected from three wells in September 2021 and three quarterly rounds were collected from all six monitoring wells in May, August, and November 2022. All groundwater samples were analyzed for VOCs. In the last round of groundwater samples collected on November 1, 2022, the measured results did not exceed regulatory criteria, except for the following:

- PCE concentrations exceeding its 5 parts per billion (ppb) ES were detected in MW-2 (6.9 ppb), MW-3 (290 ppb), and MW-6 (15 ppb).
- PCE concentrations exceeding its 0.5 ppb preventive action limit (PAL) were detected in MW-1 (4.3 ppb) and MW-5 (1.6 ppb).

- TCE concentrations exceeding its 0.5 ppb PAL were detected in MW-3 (1.5 ppb) and MW-6 (1.6 ppb).

No VOCs were detected in groundwater monitoring well MW-4 at concentrations exceeding regulatory criteria during all three sampling events. Historical soil analytical and groundwater analytical results are summarized in **Tables 1 and 2**. Soil boring and monitoring well locations (denoted as GP-2 to GP-7 & MW-1 to MW-6) are shown on **Figure 2**.

Depth to groundwater ranged from approximately 9 to 14 feet bgs in the monitoring wells sampled. Groundwater elevation data is summarized in **Table 3**. The direction of groundwater flow has been measured to the west and north.

In February 2023, the WDNR denied site closure and directed Quarters Unlimited to complete additional site investigation to further define the extent of groundwater contamination present on and off site. Once defined, the WDNR indicated they would be able to close this investigation at the site.

3.0 ADDITIONAL SITE INVESTIGATION ACTIVITIES

3.1 Scope of Services

The scope of this investigation was defined in an AET proposal agreement with Quarters Unlimited approved on April 5, 2023. The implemented scope of services included the following activities:

- Provided the client with information regarding the extent and degree of known soil and groundwater contamination found on the Site.
- Reviewed all available site background information and prepared and submitted a work plan to the WDNR project manager for their approval.
- Observed and documented the completion of 10 push probe soil borings (GP-8 to GP-17) off-site to depths of 12 to 34.5 feet bgs to define the extent of groundwater contamination. Collected continuous soil samples from each boring and described them according to the Unified Soil Classification System. Field screened soil samples for organic vapors with a photoionization detector (PID) equipped with a 10.6 eV lamp and observed the soil samples for obvious indicators of contamination (obvious odors, stains, discoloration, presence of debris, etc.).
- Observed the construction of and sampled eight temporary groundwater monitoring wells (TW-8 to TW-10, TW-12, and TW-14 to TW-17) to define the extent of groundwater contamination. Each sample was analyzed for VOCs.
- Collected two additional rounds of groundwater samples from six groundwater monitoring wells (MW-1 to MW-6). Each sample was analyzed for VOCs. Groundwater elevation measurements were collected from all the monitoring wells.
- Collected and analyzed one sewer gas sample from the on-site sanitary sewer clean-out pipe. The sample was analyzed for VOCs by EPA Method TO-15.

- Prepared and submitted this report to the Client and the WDNR to document the additional sampling results.

Soil boring, temporary well, monitoring well, and sewer cleanout locations are shown on **Figure 2**.

3.2 Environmental Sampling Methods

AET conducted soil, groundwater, and sewer gas sampling using the methods described on the Environmental Sampling Methods pages in **Appendix B**.

The soil samples were collected from a truck mounted Geoprobe® direct push sampler and screened in the field using a PID equipped with a 10.6 electron volt (eV) lamp to measure organic vapors in ppm. Results were recorded on the boring logs in **Appendix C**. Obvious odors and visual evidence of contamination were also noted. No soil samples were collected for laboratory analysis during this additional investigation work.

AET collected groundwater samples from temporary wells installed in eight of the 10 borings (TW-8 to TW-10, TW-12, and TW-14 to TW-17). The wells were purged to the extent practical, and groundwater was sampled using a dedicated polyvinyl chloride (PVC) 10-slot well screen attached to a riser-pipe and tubing with a stainless-steel check valve. Filter pack sand was installed around the slotted screen in each well. Samples were placed into laboratory-supplied containers, preserved as required, and placed in a cooler on ice prior to transport to the laboratory.

AET collected two rounds of groundwater samples from all the groundwater monitoring wells by purging each well and collecting a sample using a disposable bailer. Prior to sampling, water levels were measured in each well using an electronic water level indicator. Water levels were referenced to top of collar elevation to determine the elevation of the water table at the time of sampling. Bailer contents were emptied into the appropriately preserved containers, and all samples were placed in a cooler on ice to transport to the laboratory with the chain of custody record.

After all soil and groundwater samples were collected, the boreholes/temporary wells were completely backfilled with bentonite and abandoned according to procedures outlined in Chapter NR 141.25 of the Wisconsin Administrative Code (WAC). A WDNR borehole abandonment form (Form 3300-5W) was completed for each soil boring. Abandonment forms are included in **Appendix C**.

Vapor sampling was conducted in accordance with WDNR guidance Publication RR-800, “Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin” and Publication RR-649, “Guidance for Documenting the Investigation of Human-made Preferential Pathways Including Utility Corridors.”

AET collected a sewer gas sample from the on-site sewer clean-out pipe. The sewer gas sample was extracted using disposable tubing. Prior to sample collection, the tubing and subsurface cavity was purged of excess sewer gas. The sewer gas sample was withdrawn over a period of 35-50 minutes and

placed into a stainless-steel Summa canister equipped with a flow regulator. The Summa canister was shipped to the laboratory with the chain-of-custody record.

AET submitted groundwater and vapor samples to Eurofins Test America laboratory for chemical analysis of VOCs. Samples were collected in accordance with AET's Quality Assurance/Quality Control (QA/QC) guidelines. The laboratory analytical reports and chain-of-custody records are provided in **Appendix D**.

3.3 Reference Standards

For this report, we compared the analytical results to the baseline environmental regulatory standards in use by the WDNR. The reference standards are included in the results tables for comparison with assessment results. The media-specific standards are described below. The following reference standards apply to potential contaminant exposures in soils and groundwater:

- PID Screening Criterion: The practical detection limit of a PID is considered to be 1 ppm, although ambient environmental conditions during sampling may result in higher background measurements.
- WDNR NR 720 soil industrial direct contact RCLs spreadsheet: Compound-specific values for the protection of human health from direct contact.
- WDNR NR 720 soil non-industrial direct contact RCLs spreadsheet: Compound-specific values for the protection of human health from direct contact.
- WDNR NR 720 soil to groundwater RCLs spreadsheet: Compound-specific values for protection of groundwater.
- WAC NR 140 Groundwater Quality Standards.

Vapor Action Levels (VALs) and sub-slab Vapor Risk Screening Levels (VRSLs) were established in WDNR's guidance Publication RR-800, "Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin." If a contaminant concentration exceeds the VAL or VRSL, the WDNR may require additional monitoring or vapor mitigation. The soil gas results are reported in parts per billion by volume (ppb v/v) and micrograms-per-cubic-meter ($\mu g/m^3$). Because the future use of the Site will be a self-serve laundromat, AET compared the vapor analytical results to WDNR's small commercial VRSL regulatory criteria. VRSLs are calculated by dividing the VAL with an attenuation factor of 0.03. The reference standards are included in the results tables for comparison with assessment results.

4.0 PROJECT RESULTS

4.1 Field Observations

AET performed the field exploration, soil sampling, and temporary well installation for this investigation on June 6 and October 19, 2023. The observational data collected during field exploration activities at the Site are included on the soil boring logs in **Appendix C**.

Soils encountered in the borings were primarily non-waste fill (sand with varying amounts of silt and gravel) from the surface to approximately five feet bgs. Below the fill is coarse alluvium consisting of silty sand with varying amounts of silt, clay, and gravel to about 13 feet bgs. Below the coarse alluvium is mixed alluvium consisting of silty, gravelly, and lean clay with layers of silty sand or clayey silt. Soil samples were generally moist, and groundwater was encountered at depths of approximately 8 to 28 feet bgs. Obvious indications of potential environmental impacts such as staining or odor were not observed in the soils from the borings.

We observed PID readings of less than one ppm in soil samples collected from all 10 soil borings. Results of less than one ppm are considered background levels. Soil sample screening results appear on the boring logs in **Appendix C**.

Groundwater samples from the monitoring wells were collected on May 23 and November 20, 2023. Depth to groundwater was measured prior to purging and sampling each well. Measured depth to groundwater ranged from approximately 9 to 14 feet bgs in the monitoring wells sampled. Groundwater elevation data is summarized in **Table 3**.

AET performed sewer gas vapor sampling on May 24, 2023. Evidence of odors was not identified during the collection of the sample. We observed PID readings of less than one ppm in the sewer gas.

4.2 Laboratory Analysis

Appendix D includes the laboratory analytical reports and chains-of-custody for this site investigation. The sections below summarize the laboratory results.

4.2.1 Soil Analytical Results

Table 1 summarizes the results of laboratory analyses performed on soil samples collected during the Phase II and the initial site investigation. The soil results are reported in mg/kg, which is equivalent to ppm. The reference standards are included on the table for comparison and evaluation of impacts. Based on land use and site zoning, the non-industrial direct contact RCLs apply to this investigation.

Twelve soil samples were collected for VOC analysis during the Phase II and initial site investigation. Laboratory analyses detected VOCs in two of the twelve soil samples analyzed. Based on the measured depth to groundwater (9 to 14 feet) the measured results did not exceed regulatory criteria and are associated with the impacted groundwater smear zone.

4.2.2 Groundwater Analytical Results

The WDNR established groundwater PALs and ESs for selected compounds that are listed in WAC NR 140. If a contaminant concentration exceeds the PAL, the WDNR may require monitoring or additional investigation. If the concentration exceeds the ES, the WDNR may require monitoring or remediation.

Groundwater samples were collected from eight temporary wells and the measured results did not exceed regulatory criteria, except for the following:

- PCE concentrations exceeding its 5 ppb ES were detected in TW-10 (7.2 ppb)
- PCE concentrations exceeding its 0.5 ppb PAL were detected in TW-9 (4.6 ppb).
- TCE concentrations exceeding its 5 ppb ES were detected in TW-9 (8.1 ppb).
- TCE concentrations exceeding its 0.5 ppb PAL were detected in TW-10 (0.71 ppb).

The latest round of groundwater samples was collected on November 20, 2023, from the permanent groundwater monitoring wells. The measured results did not exceed regulatory criteria, except for the following:

- PCE concentrations exceeding its 5 ppb ES were detected in MW-1 (5.1 ppb), MW-2 (5.8 ppb), MW-3 (36 ppb) and MW-6 (30 ppb).
- PCE concentrations exceeding its 0.5 ppb PAL were detected in MW-5 (2.5 ppb).
- TCE concentrations exceeding its 0.5 ppb PAL were detected in MW-6 (1.5 ppb).

No VOCs were detected in groundwater monitoring well MW-4 at concentrations exceeding regulatory criteria during each of the May and November 2023 sampling events. Additionally, no VOCs were detected in groundwater samples collected from TW-12, TW-14, TW-15, TW-16 or TW-17. Groundwater analytical results are summarized in **Table 2** and the estimated extent of groundwater impacts are depicted on **Figures 3, 4, and 5**.

4.2.3 Vapor Analytical Results

Concentrations of VOCs were not detected exceeding sub-slab vapor risk screening levels (VRSLs) or indoor air vapor action levels (VALs) in the sewer gas sample. **Table 4** summarizes the results of laboratory analyses performed on the sewer gas sample.

5.0 DISCUSSION AND OPINIONS

5.1 Soil Contamination Conditions

Soils encountered at the Site are primarily non-waste fill (sand with varying amounts of silt and gravel) from the surface to approximately five feet bgs. Below the fill is coarse alluvium consisting of silty sand with varying amounts of silt, clay and gravel to about 13 feet bgs. Below the coarse alluvium is mixed alluvium consisting of silty, gravelly, and lean clay with layers of silty sand or clayey silt. No staining,

odors or evidence of contamination were noted from the soil borings. Field screening of the soils in the borings did not detect concentrations of organic vapors above background levels.

The results of our investigation have demonstrated that low concentrations of PCE were detected in soil samples collected at depths of 14 to 16 feet bgs and are associated with the impacted groundwater smear zone. There is no residual soil contamination at the Site.

5.2 Groundwater Contamination Conditions

Groundwater contaminated with PCE and TCE at levels exceeding the WDNR ES remains on and off-site in an area that is approximately 300 feet by 280 feet. This overall area includes groundwater monitoring wells MW-1, MW-2, MW-3, MW-6, TW-9, and TW-10. The contaminated groundwater extends off-site to the north onto the adjacent UW Stout paved parking lot property and within the 2nd Street West right-of-way. The extent of impact is limited and is defined by the lack of significant contamination in groundwater monitoring wells MW-4, MW-5, TW-8, TW-12, TW-14, TW-15, TW-16, and TW-17. The direction of groundwater flow is variable but tends generally toward the north. The extent of groundwater contamination is depicted on **Figures 3, 4, and 5**.

We calculated the stability of the groundwater plume at the wells showing the highest degree of impact, including MW-1, MW-2, MW-3, and MW-6. Line graphs showing the concentration trends over time for PCE were used to determine trends in the groundwater quality in these wells. Except for MW-1, which shows a slight increase, the analysis indicates contaminant trends are stable or decreasing. **Appendix E** includes concentration verses time graphs to illustrate these trends.

5.3 Potential Receptors

The Site is located within a commercial area in the City of Menomonie and is served by municipal sanitary sewer and water supply systems. Potential receptors of contamination include the subsurface soils and groundwater. Utility corridors that would allow horizontal migration of contaminants are not located within the area of groundwater impact. No drinking water wells were identified within the Site vicinity. There were no other pathways or receptors identified, such as sensitive environments, plant uptake, or food chain.

5.4 Vapor Intrusion Pathway Screening

Initial soil vapor investigation was completed at the Site in May 2021. Laboratory analyses detected various VOCs in three soil gas samples analyzed. The measured results did not exceed the WDNR's calculated vapor risk screening levels (VRSL) for small commercial buildings. Because these soil gas samples were taken below a layer of asphalt, it is appropriate to compare these results to the sub-slab VRSLs. The results of the three soil gas samples did not exceed the sub-slab VRSLs or the calculated VRSLs. Concentrations of VOCs were not detected exceeding sub-slab VRSLs in SSV-1 (the sub-slab vapor sample).

A sewer gas sample was collected in May 2023 and concentrations of VOCs were not detected exceeding VRSLs or indoor air VALs in the sewer gas sample.

Vapor testing of the on-site building did not detect VOCs at concentrations exceeding VRSL. This confirms that the presence of groundwater contamination exceeding ESs on the Site does not represent a vapor intrusion risk to the existing building. A maintenance building used by UW Stout is located approximately 300 feet north of the source area on the Site. Based on the vapor testing results on the Site, the low concentrations of PCE and TCE detected in the groundwater, and the presence of clayey soils that limit the potential for off-gassing organic vapors, it is unlikely that the groundwater contamination identified for this investigation represents a vapor intrusion risk to the UW Stout maintenance building. Further soil vapor investigation does not appear to be necessary.

5.5 Evaluation of Emerging Contaminants

To comply with the WDNR request to evaluate emerging contaminants at the Site, AET presents the following statement regarding emerging contaminants, including perfluoroalkyl and polyfluoroalkyl substances (PFAS), 1,4-dioxane and others.

The Site is located in a commercial area of Menomonie and was residential prior to commercial development as a laundry facility in the 1960s. Prior to recent development this area was residential and commercially developed since at least the late 1930s. No facilities that would typically manage or dispose of chemicals containing PFAS were identified on the Site.

The results of our investigation have demonstrated that concentrations of VOCs are present in the groundwater on the western portion of the Site.

Based on the known Site history, all potential contaminants associated with a hazardous substance discharge and/or environmental pollution, including emerging contaminants, have been evaluated at the Site. There is no indication that any products containing emerging contaminants, including PFAS, are present or were produced, used, handled, or stored at the Site.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The results of our investigation have demonstrated that low concentrations of PCE detected in soil samples collected at depths of 14 to 16 feet bgs are associated with the impacted groundwater smear zone and no residual soil is present on the Site.

Groundwater contaminated with PCE and TCE at levels exceeding the WDNR ES remains on and off-site in an area that is approximately 300 feet by 280 feet. The contaminated groundwater extends off-site to the north onto the adjacent UW Stout paved parking lot property and the 2nd Street West right-of-way. The extent of impact is limited and defined by the lack of significant contamination in groundwater monitoring wells MW-4, MW-5, TW-8, TW-12, TW-14, TW-15, TW-16, and TW-17. The direction of groundwater flow is variable but trends toward the north, and contaminant concentration trends are

generally stable or downward based on six rounds of groundwater sampling conducted over two years. No groundwater receptors have been identified, and vapor sampling indicates that the Site building and UW Stout maintenance building are not at risk for vapor intrusion.

Based on the investigation results to-date, the limited extent and stable concentrations of groundwater contamination, and lack of identified risk receptors, AET recommends that the contaminant impacts to groundwater be allowed to naturally attenuate. AET further recommends that this Site be considered for closure with a PAL exemption and continuing obligations.

7.0 REPORT CLOSURE

7.1 Standard of Care

AET has endeavored to perform services for this project in a manner consistent with the level of skill and care ordinarily exercised by other members of the profession currently practicing in this area, under similar budgetary and time constraints. No additional warranty, express or implied, is made.

This report is based on our current understanding of the project and conditions at the Site. If conditions differing from our original understanding or findings are identified, AET should be consulted to determine if there are material impacts on our conclusions or recommendations.

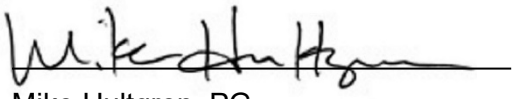
8.0 QUALIFICATIONS AND SIGNATURES

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site.

Report Prepared By:

Michael K. Neal
Professional Hydrologist/Geomorphologist

Report Reviewed By:



Mike Hultgren, PG
Principal Geologist

“I, Michael K. Neal, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of Ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of Ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in Chs. NR 700 to 726, Wis. Adm. Code.”

Tables

TABLE 1

ANALYTICAL RESULTS - SOIL

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN

AET PROJECT NO. P-0011071

	Soil RCLs (ppm) Calculated:				Samples													
					GP-1	**GP-2A**	**GP-2B**	**GP-2C**	**GP-3A**	**GP-3B**	**GP-3C**	**GP-4A**	**GP-4B**	**GP-4C**	**GP-5**	**GP-6**	**GP-7**	**MEOH Blank**
Date	*Non-Industrial Direct Contact*	*Industrial Direct Contact*	*Soil to GW*	*Surficial Background Threshold Value*	5/20/21	9/14/21									5/10/22			
Depth (feet)					14-16	2-4	14-16	22-24	2-4	14-16	18-20	2-4	14-16	18-20	14-16			---
Location					GP-1	GP-2/MW-1			GP-3/MW-2			GP-4/MW-3			GP-5/MW-4	GP-6/MW-5	GP-7/MW-6	---
PID (Instrument units)					4.5	0.0	0.1			0.0	0.1				0.0			---
Saturated (S) / Unsaturated (U)					S	U	S		U	S		U	S					---
Depth to Water Table (ft bgs)					9-14													---
Soil Type					clayey silt	sand & gravel	clayey silt	sand/gravel/clay	sand & gravel	clayey silt	clay	sand & gravel	sand/gravel/silt	clay	clayey silt			---
VOCs (ppm)																		
Methylene chloride**	*61.8*	*1,150*	*0.0026*	---	< 0.013	< 0.096	< 0.087	< 0.094	< 0.098	< 0.12	< 0.12	< 0.089	< 0.12	< 0.12	0.047*	0.063*	0.052*	0.042*
PCE	*33*	*145*	*0.0045*	---	0.4	< 0.022	< 0.02	< 0.021	< 0.022	0.042*	< 0.028	< 0.02	0.53	*2.2*	< 0.083	< 0.095	< 0.089	< 0.076
TCE	*1.3*	*8.41*	*0.0036*	---	< 0.013	< 0.0097	< 0.0087	< 0.0094	< 0.0099	< 0.013	0.14	< 0.009	< 0.012	< 0.012	< 0.057	< 0.065	< 0.061	< 0.052
Toluene	*818*	*818*	*1.107*	---	0.03	< 0.0087	< 0.0078	< 0.0084	< 0.0089	< 0.011	< 0.011	< 0.0081	< 0.011	< 0.011	< 0.037	< 0.042	< 0.039	< 0.034
No. of Individual Exceedances (DC)					NA	0	NA	NA	0	NA	NA	0	NA	NA	NA	NA	NA	---
Cumulative Hazard Index (DC)					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	---
Cumulative Cancer Risk (DC)					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	---

--- = not analyzed or no standard NA = not applicable PCE = tetrachloroethene/tetrachloroethylene ppm = parts per million RCL = residual contaminant level TCE = trichloroethene/trichloroethylene

VOC = volatile organic compound Only VOCs detected are listed in the table. ** = Methylene chloride is a common laboratory contaminant.

* = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

Bold areas indicate soil contaminant concentrations exceed Non-Industrial Direct Contact RCLs.

Underline areas indicate soil contaminant concentrations exceed Industrial Direct Contact RCLs.

Italic areas indicate soil contaminant concentrations exceed Groundwater RCL.

TABLE 2 (page 1 of 7)

ANALYTICAL RESULTS - GROUNDWATER

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN

AET PROJECT NO. P-0011071

	MW-1						*NR 140 Remedial Action Limits*	
Date	9/15/21	5/10/22	8/2/22	11/1/22	5/23/23	11/20/23		
Elevation (ft)	88.73	88.91	88.39	88.17	89.22	88.49		
ANALYTE							*ES*	*PAL*
VOCs (ppb)								
Benzene	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	*5*	*0.5*
cis-1,2-Dichloroethene	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	*70*	*7*
Ethylbenzene	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	*700*	*140*
Naphthalene	< 0.34	< 0.34	0.7*B	< 0.34	< 0.34	< 0.34	*100*	*10*
PCE	*3.2*	*2.3*	*4.2*	*4.3*	*4.6*	***5.1***	*5*	*0.5*
1,2,4- & 1,3,5-TMB	< 0.34	< 0.36	1.57*B	< 0.36	< 0.36	< 0.36	*480*	*96*
TCE	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	*5*	*0.5*
Total Xylenes	< 0.22	< 0.22	0.32*	< 0.22	< 0 .22	< 0.22	*2,000*	*400*

--- = not analyzed or no standard

PCE = tetrachloroethene/tetrachloroethylene

ppb = parts per billion

TCE = trichloroethene/trichloroethylene

TMB = trimethylbenzene

VOC = volitile organic compounds

Only VOCs detected are listed in the table.

B = Compound was found in the blank and sample.

* = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

Well Depth (feet):	24
TOC Elevation (feet):	99.63
Date Installed:	14-Sep-21
Screen Length (feet):	15

Bold numbers indicate concentrations above the ES outlined in NR 140.10.

Italic numbers indicate concentrations above the PAL outlined in NR 140.10.

TABLE 2 (page 2 of 7)

ANALYTICAL RESULTS - GROUNDWATER

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN

AET PROJECT NO. P-0011071

	MW-2						NR 140 Remedial Action Limits	
Date	9/15/21	5/10/22	8/2/22	11/1/22	5/23/23	11/20/23		
Elevation (ft)	88.82	88.98	88.53	88.34	89.31	88.59		
ANALYTE							*ES*	*PAL*
VOCs (ppb)								
Benzene	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	*5*	*0.5*
cis-1,2-Dichloroethene	< 0.41	< 0.18	< 0.41	< 0.41	< 0.41	< 0.41	*70*	*7*
Ethylbenzene	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	*70*	*7*
Methylene chloride**	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	2.5*	*5*	*0.5*
Naphthalene	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	*100*	*10*
PCE	***12***	*4.8*	***8.3***	***6.9***	*3.7*	***5.8***	*5*	*0.5*
1,2,4- & 1,3,5-TMB	< 0.36	< 0.36	0.77*B	< 0.36	< 0.36	< 0.36	*480*	*96*
TCE	0.24*	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	*5*	*0.5*
Total Xylenes	< 0.22	< 0.22	0.31*	< 0.22	< 0.22	< 0.22	*2,000*	*400*

--- = not analyzed or no standard

PCE = tetrachloroethene/tetrachloroethylene

ppb = parts per billion

TCE = trichloroethene/trichloroethylene

TMB = trimethylbenzene

VOC = volitile organic compounds

Only VOCs detected are listed in the table.

B = Compound was found in the blank and sample.

** = Methylene chloride is a common laboratory contaminant.

* = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

Well Depth (feet):	20
TOC Elevation (feet):	100.46
Date Installed:	14-Sep-21
Screen Length (feet):	10

Bold numbers indicate concentrations above the ES outlined in NR 140.10.

Italic numbers indicate concentrations above the PAL outlined in NR 140.10.

TABLE 2 (page 3 of 7)

ANALYTICAL RESULTS - GROUNDWATER

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN

AET PROJECT NO. P-0011071

	MW-3						*NR 140 Remedial Action Limits*	
Date	9/15/21	5/10/22	8/2/22	11/1/22	5/23/23	11/20/23		
Elevation (ft)	82.95	87.63	87.51	86.96	89.35	87.76		
ANALYTE							*ES*	*PAL*
VOCs (ppb)								
Benzene	0.31*	< 2.9	< 0.15	< 0.15	< 0.15	< 0.15	*5*	*0.5*
cis-1,2-Dichloroethene	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	*70*	*7*
Ethylbenzene	< 0.18	< 3.7	< 0.18	< 0.18	< 0.18	< 0.18	*700*	*140*
Methylene chloride**	< 1.6	< 33	< 1.6	< 1.6	< 1.6	2.9*	*5*	*0.5*
Naphthalene	0.36*	< 6.7	0.66*B	< 0.34	< 0.34	< 0.34	*100*	*10*
PCE	***560***	***300***	***94***	***290***	***7.2***	***36***	*5*	*0.5*
1,2,4- & 1,3,5-TMB	0.64*	< 7.2	0.75*B	< 0.36	< 0.36	< 0.36	*480*	*96*
TCE	***20***	***30***	*0.54*	*1.5*	< 0.16	< 0.16	*5*	*0.5*
Total Xylenes	< 0.22	< 4.4	< 0.22	< 0.22	< 0.22	< 0.22	*2,000*	*400*

--- = not analyzed or no standard

PCE = tetrachloroethene/tetrachloroethylene

ppb = parts per billion

TCE = trichloroethene/trichloroethylene

TMB = trimethylbenzene

VOC = volitile organic compounds

Only VOCs detected are listed in the table.

B = Compound was found in the blank and sample.

** = Methylene chloride is a common laboratory contaminant.

* = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

Well Depth (feet):	20
TOC Elevation (feet):	100.47
Date Installed:	14-Sep-21
Screen Length (feet):	10

Bold numbers indicate concentrations above the ES outlined in NR 140.10.

Italic numbers indicate concentrations above the PAL outlined in NR 140.10.

TABLE 2 (page 4 of 7)

ANALYTICAL RESULTS - GROUNDWATER

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN

AET PROJECT NO. P-0011071

	MW-4					*NR 140 Remedial Action Limits*	
Date	5/11/22	8/2/22	11/1/22	5/23/23	11/20/23		
Elevation (ft)	90.70	89.02	88.23	90.71	90.23		
ANALYTE						*ES*	*PAL*
VOCs (ppb)							
Benzene	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	*5*	*0.5*
cis-1,2-Dichloroethene	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	*70*	*7*
Ethylbenzene	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	*700*	*140*
Naphthalene	0.47*	0.66*B	< 0.34	< 0.34	< 0.34	*100*	*10*
PCE	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	*5*	*0.5*
1,2,4- & 1,3,5-TMB	< 0.36	0.73*B	< 0.36	< 0.36	< 0.34	*480*	*96*
TCE	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	*5*	*0.5*
Total Xylenes	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	*2,000*	*400*

--- = not analyzed or no standard PCE = tetrachloroethene/tetrachloroethylene Well Depth (feet): 24

ppb = parts per billion TCE = trichloroethene/trichloroethylene TMB = trimethylbenzene TOC Elevation (feet): 99.63

VOC = volitile organic compounds Only VOCs detected are listed in the table. Date Installed: 14-Sep-21

B = Compound was found in the blank and sample. Screen Length (feet): 15

* = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

Bold numbers indicate concentrations above the ES outlined in NR 140.10.

Italic numbers indicate concentrations above the PAL outlined in NR 140.10.

TABLE 2 (page 5 of 7)

ANALYTICAL RESULTS - GROUNDWATER

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN

AET PROJECT NO. P-0011071

	MW-5					*NR 140 Remedial Action Limits*	
Date	5/11/22	8/2/22	11/1/22	5/23/23	11/20/23		
Elevation (ft)	90.59	89.77	89.44	90.69	90.09		
ANALYTE						*ES*	*PAL*
VOCs (ppb)							
Benzene	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	*5*	*0.5*
cis-1,2-Dichloroethene	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	*70*	*7*
Ethylbenzene	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	*700*	*140*
Naphthalene	0.34*	< 0.34	< 0.34	< 0.34	< 0.34	*100*	*10*
PCE	*3.4*	*1.4*	*1.6*	*2.9*	*2.5*	*5*	*0.5*
1,2,4- & 1,3,5-TMB	***0.94****	< 0.36	< 0.36	< 0.36	< 0.36	*480*	*96*
TCE	*0.51*	< 0.16	< 0.16	< 0.16	< 0.16	*5*	*0.5*
Total Xylenes	0.85*	< 0.22	< 0.22	< 0.22	< 0.22	*2,000*	*400*

--- = not analyzed or no standard

PCE = tetrachloroethene/tetrachloroethylene

ppb = parts per billion

TCE = trichloroethene/trichloroethylene

TMB = trimethylbenzene

VOC = volitile organic compounds

Only VOCs detected are listed in the table.

* = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

Well Depth (feet):	24
TOC Elevation (feet):	99.63
Date Installed:	14-Sep-21
Screen Length (feet):	15

Bold numbers indicate concentrations above the ES outlined in NR 140.10.

Italic numbers indicate concentrations above the PAL outlined in NR 140.10.

TABLE 2 (page 6 of 7)

ANALYTICAL RESULTS - GROUNDWATER

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN

AET PROJECT NO. P-0011071

	MW-6					*NR 140 Remedial Action Limits*	
Date	5/11/22	8/2/22	11/1/22	5/23/23	11/20/23		
Elevation (ft)	87.27	87.12	87.09	87.52	87.32		
ANALYTE						*ES*	*PAL*
VOCs (ppb)							
Benzene	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	*5*	*0.5*
Chloroform**	3.2	1.2*	0.9*	1.6*	0.83*	*6*	*0.6*
cis-1,2-Dichloroethene	< 0.41	< 0.41	0.6*	< 0.41	< 0.41	*70*	*7*
Ethylbenzene	0.2*	< 0.18	< 0.18	< 0.18	< 0.18	*700*	*140*
Naphthalene	< 0.34	< 0.34	< 0.34	< 0.34	0.55*B	*100*	*10*
PCE	***29***	***34***	***15***	***42***	***30***	*5*	*0.5*
1,2,4- & 1,3,5-TMB	0.58*	< 0.36	< 0.36	< 0.36	< 0.36	*480*	*96*
TCE	*1.6*	*3.1*	*1.6*	*2.4*	*1.5*	*5*	*0.5*
Total Xylenes	0.77*	< 0.22	< 0.22	< 0.22	< 0.22	*2,000*	*400*

--- = not analyzed or no standard

PCE = tetrachloroethene/tetrachloroethylene

ppb = parts per billion

TCE = trichloroethene/trichloroethylene

TMB = trimethylbenzene

VOC = volitile organic compounds

Only VOCs detected are listed in the table.

B = Compound was found in the blank and sample.

** = Chloroform is a common laboratory contaminant.

* = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

Well Depth (feet):	24
TOC Elevation (feet):	99.63
Date Installed:	14-Sep-21
Screen Length (feet):	15

Bold numbers indicate concentrations above the ES outlined in NR 140.10.

Italic numbers indicate concentrations above the PAL outlined in NR 140.10.

TABLE 2 (7 of 7)
ANALYTICAL RESULTS - GROUNDWATER - TEMPORARY WELLS
LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN
AET PROJECT NO. P-0011071

	GPW-8	GPW-9	GPW-10	GPW-12	GPW-14	GPW-15	GPW-16	GPW-17	Trip Blank	*NR 140 Remedial Action Limits*	
Date	6/6/2023				10/19/2023						
Temporary Well	TW-8	TW-9	TW-10	TW-12	TW-14	TW-15	T16	TW-17	---		
Depth to Water (ft)	11.80	15.90	19.70	28.15	8.35	25.51	22.51	12.35	---		
ANALYTE										*ES*	*PAL*
VOCs (ppb)											
cis-1,2-Dichloroethene	< 0.41	2	0.47*	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	*70*	*7*
1,4-Dioxane	< 0.12	< 0.12	< 0.13	< 0.14	---	---	---	---	---	*3*	*0.3*
Tetrachloroethene (PCE)	< 0.37	*4.6*	**7.2**	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	*5*	*0.5*
trans-1,2-Dichloroethene	< 0.35	0.49*	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	*100*	*20*
Trichloroethene (TCE)	< 0.16	**8.1**	*0.71*	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	*5*	*0.5*

--- = not analyzed or no standard PCE = tetrachloroethene/tetrachloroethylene TCE = trichloroethene/trichloroethylene VOC = volatile organic compound Only VOCs detected are listed in the table.

* = Result is < the Reporting Limit but > or equal to the Method Detection Limit and the concentration is an approximate value.

Bold numbers indicate concentrations above the ES outlined in NR 140.10.

Italic numbers indicate concentrations above the PAL outlined in NR 140.10.

TABLE 3

GROUNDWATER ELEVATIONS

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN

AET PROJECT NO. P-0011071

Well Number	Date	Well Depth	TOC Elevation	Depth to Water	Water Table Elevation
MW-1	September 15, 2021	24.00	99.63	10.90	88.73
	September 23, 2021			10.96	88.67
	May 10, 2022			10.72	88.91
	August 2, 2022			11.24	88.39
	November 1, 2022			11.46	88.17
	May 23, 2023			10.41	89.22
	November 20, 2023			11.14	88.49
MW-2	September 15, 2021	20.00	100.46	11.64	88.82
	September 23, 2021			11.73	88.73
	May 10, 2022			11.48	88.98
	August 2, 2022			11.93	88.53
	November 1, 2022			12.12	88.34
	May 23, 2023			11.15	89.31
	November 20, 2023			11.87	88.59
MW-3	September 15, 2021	20.00	100.47	17.52	82.95
	September 23, 2021			13.44	87.03
	May 10, 2022			12.84	87.63
	August 2, 2022			12.96	87.51
	November 1, 2022			13.51	86.96
	May 23, 2023			11.12	89.35
	November 20, 2023			12.71	87.76
MW-4	May 11, 2022	20.00	101.48	10.78	90.70
	August 2, 2022			12.46	89.02
	November 1, 2022			13.25	88.23
	May 23, 2023			10.77	90.71
	November 20, 2023			11.25	90.23
MW-5	May 11, 2022	20.00	99.74	9.15	90.59
	August 2, 2022			9.97	89.77
	November 1, 2022			10.30	89.44
	May 23, 2023			9.05	90.69
	November 20, 2023			9.65	90.09
MW-6	May 11, 2022	20.00	97.12	9.85	87.27
	August 2, 2022			10.00	87.12
	November 1, 2022			10.03	87.09
	May 23, 2023			9.60	87.52
	November 20, 2023			9.80	87.32

TABLE 4
ANALYTICAL RESULTS - SEWER GAS
LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN
AET PROJECT NO. P-0011071

	Sewer Clean-Out	*Small Commercial Vapor Risk Screening Levels*	
Date	5/24/23		
ANALYTE		Indoor Air VAL	*SSVRSL*
Method TO-15 (ppb v/v)			
Carbon disulfide	1.2*	*3,100*	*103,333*
Chloroform	2	*1.1*	*36*
Dichlorodifluoromethane	0.55*	*88*	*3,000*
Ethylbenzene	1.8*	*11*	*360*
Tetrachloroethene (PCE)	5.8	*26*	*840*
Toluene	1.4*	*22,000*	*733,333*
Trichloroethene (TCE)	< 0.33	*1.6*	*53*
Trichlorofluoromethane	038*	---	---
m-Xylene & p-Xylene	5.9*	*100*	*3,400*
o-Xylene	1.7*	*100*	*3,400*

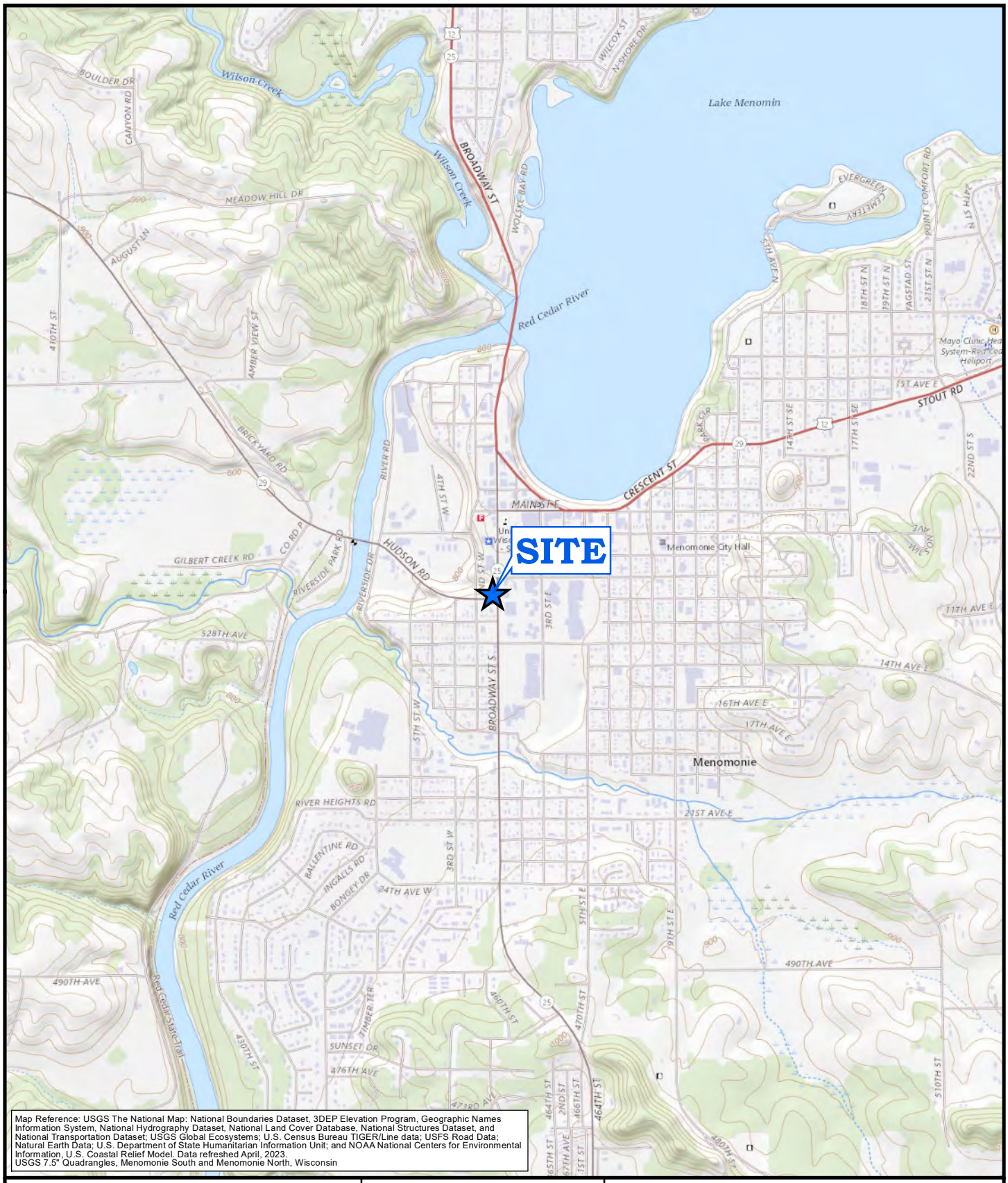
--- = No Standard SSVRSL = sub-slab vapor risk screening level VAL = vapor action level

* = Result is < the Reporting Limit but > or equal to the Method Detection Limit and the concentration is an approximate value.

Bold numbers indicate concentrations above the IAVAL.

Red numbers indicate concentrations above the SSVRSL.
Samples were collected using summa canisters. The shut-in test method was used for leak testing on the sampling train.

Figures



AMERICAN ENGINEERING TESTING

N

0 1,000 2,000

Feet

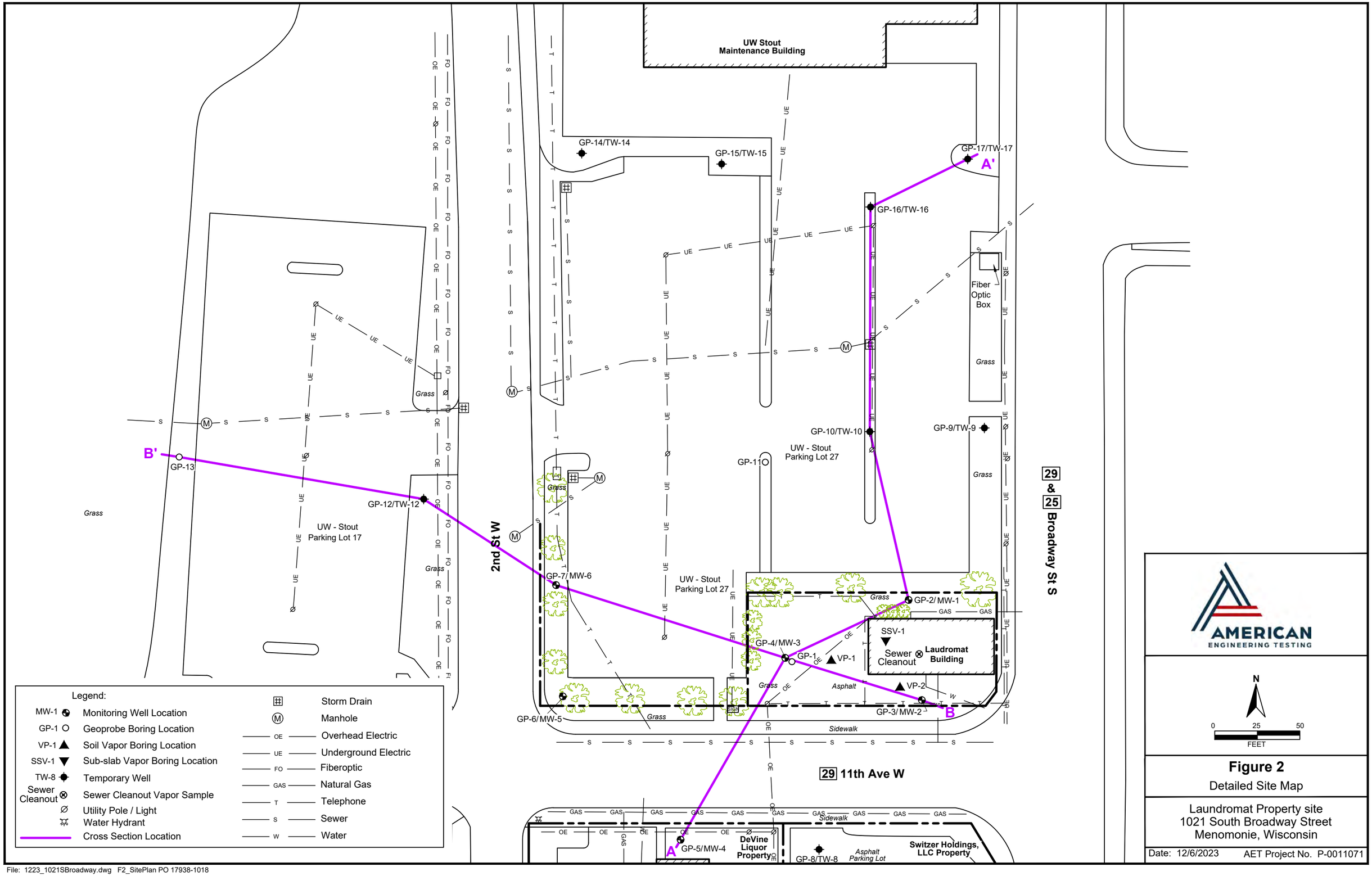
Figure 1
Site Location Map

Site Investigation

Laundromat Property site
1021 South Broadway Street
Menomonie, Wisconsin

Date: 12/06/2023 AET Project No. P-0011071

File: 1223_SBdway_SI_F1_SLM.mxd PO 17938-1018



AMERICAN ENGINEERING TESTING

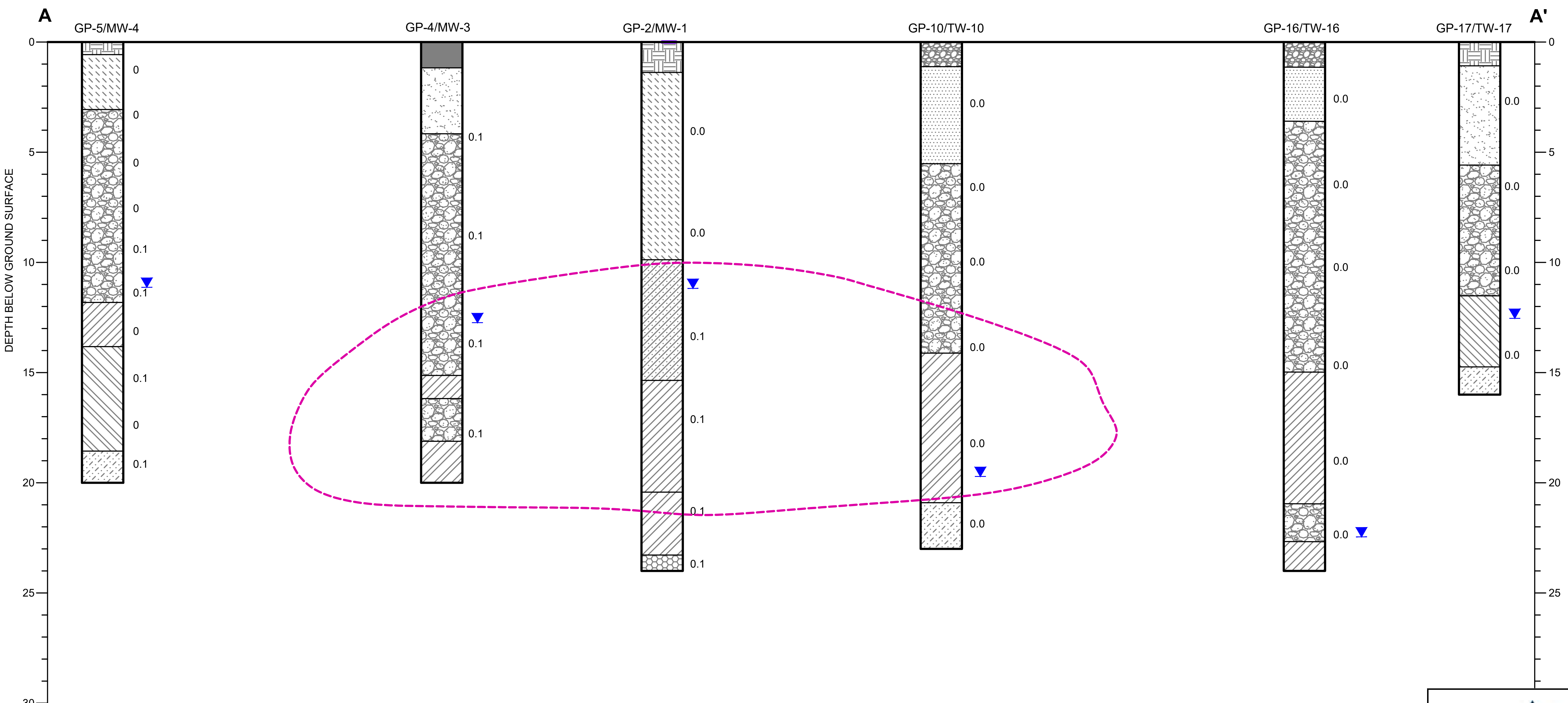
Figure 2

Detailed Site Map

Laundromat Property site
1021 South Broadway Street
Menomonie, Wisconsin

Date: 12/6/2023 AET Project No. P-0011071

File: 1223_1021SBroadway.dwg F2_SitePlan PO 17938-1018



Legend

Asphalt	Brown Clayey Sand	Grey Sandy Clay	0.1	PID (parts per million)
Topsoil	Sand Fill	Brown Silty Sand		Depth to Groundwater
Brown Silty Gravelly Sand	Grey Lean Clay	Black Sandy Clay some Gravel		Extent of Groundwater Contamination Exceeding ESs
Brown Silty Sand and Gravel	Brown Coarse Ground Sand and Gravel	Weathered Sandstone		
Brown Clayey Silt	Brown Sand and Gravel	Road Gravel		
Brown Clay	Sand and Gravel Fill	Tan Silty Sand		

VERTICAL SCALE (IN FEET) 5

HORIZONTAL SCALE (IN FEET) 40

AMERICAN ENGINEERING TESTING

N

0 25 50 FEET

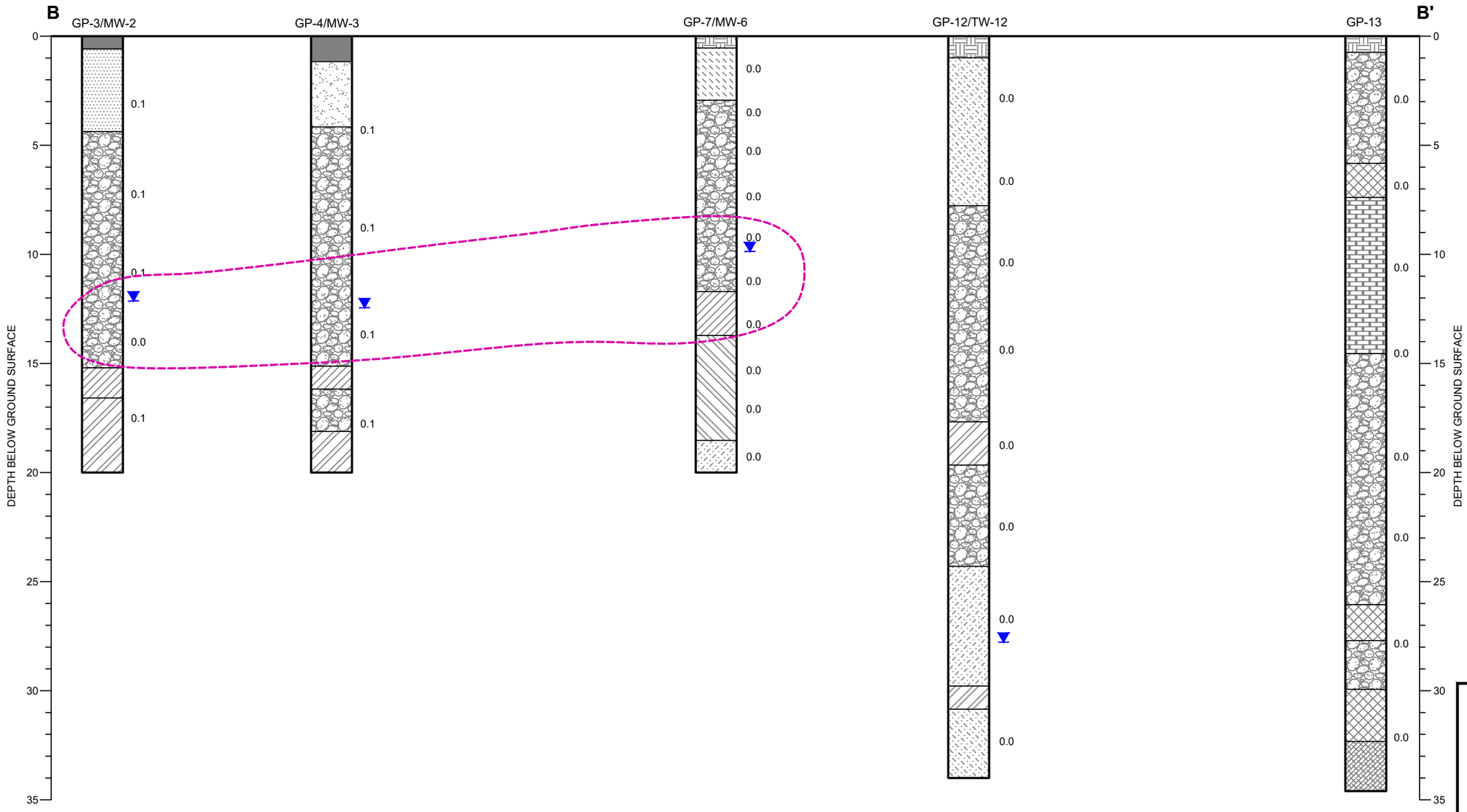
Figure 3

Cross Section A-A'

Laundromat Property site
1021 South Broadway Street
Menomonie, Wisconsin

Date: 12/8/2023 AET Project No. P-0011071

File: 1223_1021SBroadway.dwg F3_XS_AA PO 17938-1018



Legend

- Asphalt
- Topsoil
- Brown Silty Gravelly Sand
- Brown Silty Sand and Gravel
- Brown Clayey Silt
- Brown Clay
- Brown Clayey Sand
- Sand Fill
- Grey Lean Clay
- Brown Coarse Ground Sand and Gravel
- Brown Sand and Gravel
- Sand and Gravel Fill
- Grey Sandy Clay
- Brown Silty Sand
- Black Sandy Clay some Gravel
- Weathered Sandstone
- Road Gravel
- Tan Silty Sand
- 0.1 PID (parts per million)
- Depth to Groundwater
- Extent of Groundwater Contamination Exceeding ESs

VERTICAL SCALE (IN FEET) 5
HORIZONTAL SCALE (IN FEET) 40

AMERICAN ENGINEERING TESTING

N

0 25 50
FEET

Figure 4
Cross Section B-B'

Laundromat Property site
1021 South Broadway Street
Menomonie, Wisconsin

Date: 12/8/2023 AET Project No. P-0011071

File: 1223_1021SBroadway.dwg F4_XS_BB PO 17938-1018

UW Stout
Maintenance Building

TW-14	
PCE	ND
TCE	ND

GP-14/TW-14

GP-15/TW-15

TW-15	
PCE	ND
TCE	ND

TW-16	
PCE	ND
TCE	ND

GP-16/TW-16

GP-17/TW-17

TW-17	
PCE	ND
TCE	ND

Fiber Optic Box

Grass

TW-9	
PCE	4.6
TCE	8.1

GP-9/TW-9

GP-10/TW-10

TW-10	
PCE	7.2
TCE	0.71

GP-11

UW - Stout
Parking Lot 27

MW-3	
Elevation	87.76
PCE	36
TCE	ND

MW-1	
Elevation	88.49
PCE	5.1
TCE	ND

29 & 25 Broadway St S

GP-13

Grass

TW-12	
PCE	ND
TCE	ND

GP-12/TW-12

UW - Stout
Parking Lot 17

MW-6	
Elevation	87.32
PCE	30
TCE	1.5

MW-5	
Elevation	90.09
PCE	2.5
TCE	ND

2nd St W

GP-7/ MW-6

87.5
88.0
88.5
89.0
89.5
90.0

GP-6/MW-5

GP-4/MW-3

GP-1

VP-1

SSV-1

Sewer Cleanout

Laudromat Building

GP-2/ MW-1

GP-3/ MW-2

VP-2

Asphalt

Sidewalk

MW-2	
Elevation	88.59
PCE	5.8
TCE	ND

MW-4	
Elevation	90.23
PCE	ND
TCE	ND

29 11th Ave W

89.0

90.0

89.5

GP-5/MW-4

DeVine Liquor Property

GP-8/TW-8

Asphalt Parking Lot

Switzer Holdings, LLC Property

TW-8	
PCE	ND
TCE	ND

Legend:

- MW-1 — Monitoring Well Location
- GP-1 — Geoprobe Boring Location
- VP-1 — Soil Vapor Boring Location
- SSV-1 — Sub-slab Vapor Boring Location
- TW-8 — Temporary Well
- Sewer Cleanout — Sewer Cleanout Vapor Sample
- Utility Pole
- Water Hydrant
- Groundwater Elevation Contour
- Groundwater Flow Direction
- Extent of Groundwater Contamination Exceeding ESs
- Storm Drain
- Manhole
- OE — Overhead Electric
- UE — Underground Electric
- FO — Fiberoptic
- GAS — Natural Gas
- T — Telephone
- S — Sewer
- W — Water

Notes:
PCE - Tetrachloroethene in parts per billion (ppb)
TCE - Trichloroethene in parts per billion (ppb)
ND - Not Detected

AMERICAN ENGINEERING TESTING

N

0 25 50
FEET

Figure 5
Groundwater Isoconcentration
November 2023

Laundromat Property site
1021 South Broadway Street
Menomonie, Wisconsin

Date: 12/6/2023 AET Project No. P-0011071

File: 1223_1021SBroadway.dwg F5_GWDataNov2023 PO 17938-1018

Appendix A

Acronyms/Abbreviations and Definitions

ACRONYMS / ABBREVIATIONS AND DEFINITIONS

AET Standard List

ºC	degrees Celsius
ºF	degrees Fahrenheit
%	percent
AAI	EPA All Appropriate Inquiry (§312.10 of 40 CFR 312)
ACM	asbestos containing material
ACBM	asbestos containing building material
AET	American Engineering Testing, Inc.
AHERA	Asbestos Hazard Emergency Response Act
AST	aboveground storage tank
ASTM	American Society for Testing and Materials (now known only by acronym)
AUL	activity and use limitation
BETX	benzene, ethylbenzene, toluene, xylene
bgs	below ground surface
BRRTS	Bureau of Remediation and Redevelopment Tracking System
CAP	Corrective Action Plan
CERCLA	Comprehensive Environmental Response, Compensation, Liability Act (Superfund)
CERCLIS	Comprehensive Environmental Response, Compensation, Liability Information System
CESQG	RCRA Conditionally Exempt Small Quantity Generator
CFR	Code of Federal Regulations
CLEAN	Contaminated Lands Environmental Action Network
CoC	contaminant of concern
c.o.c.	chain of custody
CORRACTS	RCRA Corrective Actions Information System
cPAH	carcinogenic polynuclear aromatic hydrocarbon
CVOC	chlorinated volatile organic compound
cy or CY	cubic yards
DRO	diesel range organics
EC	engineering control
EIS	Environmental Impact Statement
EP	Environmental Professional (§312.10 of 40 CFR 312)
EPA	Environmental Protection Agency (also USEPA)
ES	enforcement standard
ERIS	Environmental Risk Information Services
ERNS	Emergency Response Notification System (federal)
ESA	Environmental Site Assessment
FDM	Facilities Development Manual
f/cc	fibers per cubic centimeter
ft	feet
GC	gas chromatography
GC/MS	gas chromatography/mass spectroscopy

ACRONYMS / ABBREVIATIONS AND DEFINITIONS

AET Standard List

GEN	RCRA Generator
GIS	geographic information system
GPS	global positioning system
GRO	gasoline range organics
HASP	Health and Safety Plan
HIG	Historical Information Gatherers, Inc.
HMA	Hazardous Materials Assessment
HREC	historical recognized environmental condition
IC	institutional control
LLP	landowner liability protection
LQG	RCRA Large Quantity Generator
LOQ	limit of quantitation
LSI	Limited Site Investigation
LUST	leaking underground storage tank
MCL	EPA Maximum Contaminant Level
MDL	method detection limit.
mg/kg	milligrams per kilogram (ppm)
mg/L	milligrams per liter (ppm)
MTBE	methyl tert-butyl ether
NA	not assigned or not applicable
ND	no detection
NEPA	National Environmental Protection Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NFA	No Further Action
NFRAP	No Further Remedial Action Planned
NLR	RCRA No Longer Regulated Information System
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List (federal Superfund)
NR	not recorded
ODI	EPA Open Dump Inventory
OSHA	Occupational Safety and Health Administration
PECFA	Petroleum Environmental Clean-Up Fund Act
PAH	polynuclear aromatic hydrocarbon
PAL	preventive action limit
PEL	OSHA Permissible Exposure Limit
PCB	polychlorinated biphenyl
pcm	point count method
PE	Professional Engineer
PG	Professional Geologist
PID	photoionization detector

ACRONYMS / ABBREVIATIONS AND DEFINITIONS

AET Standard List

PLM	polarized light microscopy
PLP	Permanent List of Priorities (state Superfund)
ppb	parts per billion
PPE	personal protective equipment
ppm	parts per million
PVOC	petroleum volatile organic compound
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
RACM	regulated asbestos containing material
RAP	Response Action Plan
RCRA	Resource Conservation Recovery Act
RCL	residual contaminant level
REC	recognized environmental condition
RI	Remedial Investigation
RL	laboratory reporting limit
ROD	EPA Record of Decision
RP	responsible party
SDS	safety data sheet
SOP	standard operating procedure
SPILLS	WDNR Spills inventory
SQG	RCRA Small Quantity Generator
SREC	suspect recognized environmental condition
SSP	Site Safety Plan
STH	State Highway
SVE	soil vapor extraction
SVOC	semi-volatile organic compound
SWF/LF	WDNR Solid Waste Facilities/Landfill Sites
TCLP	Toxicity Characteristic Leaching Procedure
TMB	trimethylbenzene
TPH	total petroleum hydrocarbons
TRIS	EPA Toxic Release Inventory System
TSCA	Toxic Substances Control Act
TSD	RCRA Transportation Storage and Disposal inventory
µg/kg	micrograms per kilogram (ppb)
µg/l or µg/L	micrograms per liter (ppb)
$\mu g/m^3$	micrograms per cubic meter
USEPA	United States Environmental Protection Agency (also EPA)
USGS	United States Geological Survey
UST	underground storage tank

ACRONYMS / ABBREVIATIONS AND DEFINITIONS

AET Standard List

VIC	Voluntary Investigation and Cleanup Program
VOC	volatile organic compound
WAC	Wisconsin Adminstrative Code
WCA	Wetland Conservation Act
WDATCP	Wisconsin Department of Agriculture, Trade, and Consumer Protection
WDHS	Wisconsin Department of Health Services
WDNR	Wisconsin Department of Natural Resources
WGNHS	Wisconsin Geological and Natural History Survey
WisDOT	Wisconsin Department of Transportation
WPDES	Wisconsin Pollution Discharge Elimination System
WRRD	Wisconsin Remediation and Redevelopment Database
XRF	x-ray fluorescence

DEFINITIONS

Controlled recognized environmental condition (CREC): a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

De minimus condition: a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies. Conditions determined to be de minimus conditions are not recognized environmental conditions nor controlled recognized environmental conditions.

Historical recognized environmental condition (HREC): a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

Recognized environmental condition (REC): the presence or likely presence of hazardous substances or petroleum products in, on, or at a property: 1) due to release to the environment; 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment.

Appendix B

Environmental Sampling Methods

Site Safety Issues
Safety is of paramount importance on construction, demolition, or other high-traffic sites with potentially unstable ground. Frequent visual and verbal contact is maintained with operators of heavy equipment in the sampling vicinity. Care is taken not to enter depressions or scale mounds that would constitute confined spaces, where engulfment, immersion, or falls are possible, or where harmful vapors may collect. Most observations and soil collection are performed from a stable and level ground surface with the help of heavy equipment operated by an excavation contractor.

Contamination Reduction
Sampling devices (except heavy equipment in most cases) are cleaned between sampling points to minimize cross contamination. The cleaning procedure may consist of an alconox detergent-water wash using a brush, followed by a tap water rinse. Certain types of projects may entail more or less stringent decontamination procedures.

Soil Collection
Most soil samples from excavations or test pits are collected directly from heavy equipment (e.g., excavation bucket, loader, or bulldozer), giving preference to soils that have not touched the equipment. A hand auger is used to complete shallow soil borings in locations of limited vehicle access. Hand auger borings are advanced manually, typically in 6" to 12" depth intervals. Soils are collected directly from the hollow auger barrel. A spade shovel is used to collect surficial soils (i.e., up to 6" depth). In many cases, soil samples can be collected by hand without added equipment.

Impacted soils or buried debris may be present in the ground that are not observed due to the spacing and depths of sampling points. Best judgment determinations, based on known site conditions and past experience in similar situations, do not guarantee identification or removal of all impacts.

Soil Classification
As the samples are obtained in the field, they are visually and manually classified by the field staff. Representative portions of the samples may be returned to the laboratory for further examination and for verification of the field classification. Soil classifications, visual/odor observations, and information on any groundwater encountered are reported on the Soil Screening Data Sheet or other field notes.

Soil Sample Vapor Screening
Soil samples collected directly or from equipment are screened with a photoionization detector (PID) for the presence of organic vapors with ionization potentials less than the lamp voltage. The PID is calibrated for direct reading in parts-per-million-volume (PPMv) of a benzene equivalent. Soil samples are collected and screened according to the bag-headspace field screening procedure, which consists of placing freshly collected soil into a polyethylene Whirl-Pak or freezer "baggie" (i.e., bag), sealing the bag to contain an air pocket (i.e., headspace), and allowing 10 to 20 minutes for vapors to disperse from the soil to the headspace. The highest reading upon inserting the PID probe into the bag headspace – typically attained within two to five seconds of probe insertion – is recorded on the Soil Screening Data Sheet or other field notes. Excessive moisture, temperature extremes, ambient vapors, or other unusual field circumstances can affect screening results.

Other Field Screening
For certain sites, field screening may be conducted for additional parameters in accordance with AET's Field Screening Methods Supplemental information sheet.

Soil Sampling for Chemical Analysis
Soil samples obtained for chemical analysis are collected directly or from the sampling device into laboratory-prepared containers with appropriate preservatives, according to laboratory protocols. The samples are delivered to the analytical laboratory within prescribed holding times, accompanied by proper chain-of-custody forms.

Contamination Reduction

The hollow-stem auger (HSA) drill rig and down hole tooling are steam cleaned prior to mobilization. The split-spoon sampler is cleaned between samples to minimize cross contamination. The push-probe down hole tooling is steam cleaned prior to mobilization. New clear plastic liners are used for each drive, and the tooling is cleaned between borings to minimize cross contamination. The cleaning procedure consists of an alconox detergent-water wash using a brush, followed by a tapwater rinse. The alconox wash and rinse water are changed regularly – typically between borings. Certain types of projects may entail more stringent decontamination procedures.

Soil Boring Advancement and Limitations

Split-spoon soil sampling in the standard-penetration soil borings is performed using hollow-stem auger techniques in general accordance with ASTM:D1586, with a modified hammer weight calibrated by pile driving analyzer (PDA). Using this procedure, a 2" outer-diameter (OD) split-spoon soil sampler is driven into the soil by a hammer weight with 60%-65% energy of a 140-lb. weight falling 30". After an initial set of 6", the number of blows required to drive the sampler an additional 12" is known as the penetration resistance or N value, an index of the relative density of cohesionless soils and the consistency of cohesive soils. Samples are typically collected in distinct 18" or 24" depth intervals separated by 12" or 6" depth intervals, using drive rods to extend the boring deeper beneath the ground surface. The split-spoon sampler is opened to expose distinct 18" or 24" sections of soil for classification and sampling.

Soil sampling in the soil borings is performed using a Geoprobe® system. Soil borings are advanced using a vehicle-mounted, hydraulically-powered, soil probing machine, which uses static force (vehicle weight) and percussion to advance small-diameter sampling tools into the subsurface for collecting soil core, soil gas, or groundwater samples. Using this system, a 2" outer-diameter (OD) MacroCore® soil sampler containing a 1.75" OD clear plastic liner is driven into the soil in distinct 48" depth intervals, except where subsurface conditions limit the equipment to shorter drive lengths. In cases where soil recovery is poor, typically due to grain-size or moisture, a smaller “discrete” soil sampler (1.5" OD containing a 1.0" OD clear plastic liner) with a retractable piston tip may be used to collect soil in distinct 24" depth intervals. Probe rods are added to extend borings deeper beneath the surface. The plastic liner is removed from the sampler and cut lengthwise to expose discrete sections of soil for classification and sampling.

Unless actually observed, contacts between soil layers are estimated based on the spacing of samples and the action of the drilling tools. Cobbles, boulders, and other large objects generally cannot be recovered from soil borings, and may be present in the ground even if they are not noted on the boring logs. Impacted soils or buried debris may be present that are not observed due to the spacing and depths of sampling points. Best judgment determinations, based on known site conditions and past experience in similar situations, do not guarantee identification of all impacts.

Soil Classification

As the samples are obtained in the field, they are visually and manually classified by the field staff following the Unified Soil Classification (USC) system in general accordance with ASTM:D2488. Representative portions of the samples may be returned to the laboratory for further observation and for verification of the field identification. Logs of the borings are prepared indicating the depth and identification of the various strata, water level information, and other pertinent information regarding the method of maintaining and advancing the borings.

Boring logs include judgments of the geologic depositional origin. This judgment is primarily based on observations of the soil samples, which can be limited. Observations of the surrounding topography, vegetation, and development can sometimes aid this judgment. Visual/odor observations may aid in assessing impacts but are not relied on exclusively.

Soil Sample Vapor Screening

Soil samples collected directly from the soil samplers are screened with a photoionization detector (PID) for the presence of organic vapors with ionization potentials less than the lamp voltage. The PID is calibrated for direct reading in parts-per-million-volume (PPMv) of a benzene equivalent. Soil samples are collected and screened according to the bag-headspace field screening procedure, which consists of placing freshly collected soil into a polyethylene Whirl-Pak or freezer “baggie” (i.e., bag), sealing the bag to contain an air pocket (i.e., headspace), and allowing 10 to 20 minutes for vapors to disperse from the soil to the headspace. The highest reading upon inserting the PID probe into the bag

headspace – typically attained within two to five seconds of probe insertion – is recorded on the boring log. Excessive moisture, temperature extremes, ambient vapors, or other unusual field circumstances can affect screening results.

Other Field Screening
For certain sites, field screening may be conducted for additional parameters in accordance with AET's Field Screening Methods Supplemental information sheet.

Soil Sampling for Chemical Analysis
Soil samples obtained for chemical analysis are collected directly from the soil samplers and placed into laboratory-prepared containers with appropriate preservatives, according to laboratory protocols. The samples are delivered to the analytical laboratory within prescribed holding times, accompanied by proper chain-of-custody forms.

Water Level Measurements
The groundwater level measurements are shown at the bottom of the boring logs. The following information appears under Water Level Measurements on the logs:

- Date and time of measurement
- Sampled Depth: greatest depth of soil sampling at the time of measurement
- Casing Depth: depth to bottom of casing or hollow-stem auger at time of measurement
- Cave-in Depth: tape-measured depth of borehole
- Water Level: tape-measured depth of free water in the borehole

The true depth of the water table at the boring locations may be different from the water levels measured in the boreholes. This is possible because several factors can affect the water-level measurements in the borehole such as permeability of each soil layer in profile, presence of perched water, amount of time between water level readings, and weather conditions.

Groundwater Sampling for Chemical Analysis
Groundwater samples obtained for chemical analysis are collected directly from each borehole/temporary monitoring well by one of two techniques: (1) A new dedicated teflon bailer is lowered down the borehole/temporary monitoring well with new nylon rope or decontaminated downrigger cable; (2) Using a peristaltic pump or check-valve assembly, samples are pumped directly from the borehole/temporary monitoring well through new polyethylene tubing extended to depth through the casing. Samples are collected in laboratory-prepared containers with appropriate preservatives, according to laboratory protocols. For analyses in which field-filtering is required, samples are vacuum-filtered through a new dedicated plastic filter with 0.45-μm pores. The samples are delivered to the analytical laboratory within prescribed holding times, accompanied by proper chain-of-custody forms.

Because boreholes/temporary monitoring wells are not typically in equilibrium with groundwater, results provide qualitative groundwater data. Purging additional water prior to sampling may improve the data representativeness somewhat. Monitoring wells are necessary to obtain more accurate quantitative groundwater data.

Surveying and Abandonment
Following sampling, ground surface elevations at boring locations are typically measured to the nearest 0.1 foot. If a permanent benchmark of known elevation is unavailable, the measurement is referenced to a nearby temporary benchmark given the arbitrary reference elevation of 100.0 feet. Horizontal location control is typically based on tape measurements from fixed site features. Certain types of projects may entail more stringent measures such as global positioning systems (GPS) or contracting registered surveyors.

Boreholes/temporary monitoring wells are completely backfilled with bentonite and abandoned according to procedures outlined in Chapter NR 141.25 of the Wisconsin Administrative Code A WDNR Borehole Abandonment (3300-5W) form is completed for each soil boring not completed as a monitoring well.

Contamination Reduction

The sampling downrigger and electronic water-level indicator are cleaned prior to sampling and between sampling from different monitoring wells. The cleaning procedure consists of an alconox detergent-water wash and distilled water rinse from spray dispensers. New disposable bailers are used for each well.

Monitoring Well Installation and Development

Groundwater monitoring wells and piezometers are constructed and developed in accordance with Wisconsin Administrative Code – Chapter NR 141 requirements. Monitoring Well Construction (4400-113A) and Monitoring Well Development (4400-113B) forms are completed for each well. Typically, monitoring wells are installed in hollow-stem auger (HSA) soil boreholes that have been sampled for environmental parameters.

Monitoring wells are developed by removing a minimum of three to five borehole volumes, until water appears clear.

Groundwater Elevation Measurements

Following monitoring well installation, the top-of-riser elevations are surveyed to the nearest 0.01 feet. If a permanent benchmark of known elevation is unavailable, the survey is referenced to a nearby temporary benchmark given the arbitrary reference elevation of 100.00 feet.

Groundwater elevations are determined by using an electronic water-level indicator. Measurements are obtained by lowering the probe into each well until the groundwater surface is encountered. Measurements, referenced to the top-of-riser elevations, are reported to the nearest 0.01 feet.

Groundwater Sampling for Chemical Analysis

Groundwater samples obtained for chemical analysis are collected directly from each monitoring well using a new disposable bailer lowered down the well with new nylon rope or decontaminated downrigger cable. Samples are decanted directly from the bailer into laboratory-prepared containers with appropriate preservatives. Alternatively, samples may be drawn directly from the submersible pump discharge tubing. For analyses in which field-filtering is required, samples are vacuum-filtered through a new dedicated plastic filter with 0.45-μm pores. The samples are delivered to the analytical laboratory within prescribed holding times, accompanied by proper chain-of-custody forms.

Free Product Removal Procedures

We conducted free product removal procedure as follows:

- Remove well cover and scrape away excess dirt.
- Carefully remove test well plug, bailer, & sock from well casing. Remember that bailer and absorbent socks are tied to the plug.
- Set bailer aside and squeeze product from sock into bucket. After squeezing out sock set aside to dry.
- Measure depth to water/product with a product/groundwater interface probe. Record depth to product, groundwater, and thickness of product in feet.
- Secure bailer to rope or string and insert into well casing. Lower the bailer until contact with water table is made. Allow bailer to drop into the water for no more than one foot. Remove bailer and estimate product thickness. Empty contents of bailer into bucket and record product thickness.
- Continue to lower bailer into well and drop to the water table. Allow bailer to fill with no more than one foot of water/product. Remove bailer and empty contents into bucket. Continue fill bucket. Transfer filled buckets to drum.
- Repeat this process until thickness of free product is less than one inch. Record amount of water/product removed.
- If a groundwater sample will be collected use a new disposable bailer to obtain a water sample. Insert the bailers bottom empting device and use to fill the appropriate sample bottle.
- Reattach string/rope to well plug, replace bailer and sock into well and cap with well plug. Replace well cover. Replace socks as needed.
- Secure cover on 55-gasllon drum.

Appendix C

Soil Boring Logs and Abandonment Forms

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: Laundromat Property	License/Permit/Monitoring Number	Boring Number: GP-8/TW-8	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: CL Last Name: — Firm: AET	Date Drilling Started: 06/06/2023	Date Drilling Completed: 06/06/2023	Drilling Method: Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name: TW-8	Final Static Water Level: ____ Feet MSL	Surface Elevation: ____ Feet MSL	Borehole Diameter: 2 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane ____ N, ____ E			Lat ° ' " — Long ° ' "	Local Grid Location: ____ Feet ☐ N ☐ S ____ Feet ☐ E ☐ W
SW 1/4 of SW 1/4 of Section 26, T 28 N, R 13 W				
Facility ID: 611700760	County: Dunn	County Code: 17	Civil Town/City/ or Village: Menomonie	

Sample: Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Asphalt & Gravel Fill										
			5	Dk Brn Silty Sand w gravel				0		M				
				Brown CG Sand & gravel	SP			0		M				
			10					0		M				
			15					0		W				
				Tan Clay	CL					W				
			20	EOB 16'										
			25											
			30											
			35											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: AET

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dunn	_ _ _ _ _ _	

Latitude / Longitude (see instructions) — Format Code: ☐ DD ☐ DDM — Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

_____ N
_____ W

¼ / ¼	¼	Section	Township	Range
SW	SW	26	28 N	13 ☐ E ☒ W

or Gov't Lot #

Well Street Address

Well City, Village or Town	Well ZIP Code
Menomonie	54751

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Test Boring/TW	_ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Laundromat Property

Facility ID (FID or PWS):

License/Permit/Monitoring #: GP-8/TW-8

Original Well Owner:

Present Well Owner: Quarters Unlimited

Mailing Address of Present Owner: N7487 STH 25

City of Present Owner	State	ZIP Code
Menomonie	WI	54751

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy):

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
16	1

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	11.80

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☒ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	16		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
AET		6-6-23

Street or Route	Telephone Number
1837 CTH OO	(715) 861 5045

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Chippewa Falls	WI	54729		8-23-23

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: Laundromat Property	License/Permit/Monitoring Number	Boring Number: GP-9/TW-9	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: CV Last Name: — Firm: AET	Date Drilling Started: 06/06/2023	Date Drilling Completed: 06/06/2023	Drilling Method: Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name: TW-9	Final Static Water Level: ____ Feet MSL	Surface Elevation: ____ Feet MSL	Borehole Diameter: 2 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane ____ N, ____ E — SW 1/4 of SW 1/4 of Section 26, T 28 N, R 13 W	Lat ° ' " — Long ° ' "	Local Grid Location: ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W	
Facility ID: 61700760	County: Dunn	County Code: 17	Civil Town/City/ or Village: Menomonie		

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	Top Soil										
				DK Brw Sand Fill				0		M				
			5	DK Brw silty Sand some gravel				0		M				
			10	Black Peat				0		M				
				Brw Silty Sand + gravel				0		M				
			15					0		W				
			20	EOB 20'										
			25											
			30											
			35											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: AET

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dunn	_ _ _ _ _ _ _	

Latitude / Longitude (see instructions) _____ N _____ W | Format Code: ☐ DD ☐ DDM | Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SW	SW	26	28 N	13 ☐ E ☒ W

or Gov't Lot #

Well Street Address

Well City, Village or Town	Well ZIP Code
Menomonie	54751

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Test Boring/TW	_ _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Laundromat Property

Facility ID (FID or PWS):

License/Permit/Monitoring #: GP-9/TW-9

Original Well Owner:

Present Well Owner: Quarters Unlimited

Mailing Address of Present Owner: N7487 STH 25

City of Present Owner	State	ZIP Code
Menomonie	WI	54751

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy):

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
20	1
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	15.90

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☒ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	20		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
AET		6-6-23

Street or Route	Telephone Number
1837 CTH OO	(715) 861 5045

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Chippewa Falls	WI	54729		8-23-23

DNR Use Only

Date Received	Noted By

Comments

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: Laundromat Property	License/Permit/Monitoring Number:	Boring Number: GP-10/TW-10
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: CV Last Name: — Firm: AET	Date Drilling Started: 06/06/2023	Date Drilling Completed: 06/06/2023 — Drilling Method: Geoprobe
WI Unique Well No.:	DNR Well ID No.:	Well Name: TW-10 — Final Static Water Level: ____ Feet MSL — Surface Elevation: ____ Feet MSL — Borehole Diameter: 2 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane ____ N, ____ E — SW 1/4 of SW 1/4 of Section 26, T 28 N, R 13 W	Lat ° ' " — Long ° ' "	Local Grid Location: ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W
Facility ID: 617007160	County: Dunn	County Code: 17 — Civil Town/City/ or Village: Menomonie

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
				Road Gravel										
			5	Sand Gravel Brick Wood Concrete				0		M				
				Ok Bow				0		M				
			10	Silty Sand + gravel				0		M				
			15	Grey clay				0		M				
			20					0		M				
				Sandy clay				0		W				
			25	EOB 23'										
			30											
			35											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: AET

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dunn		

Latitude / Longitude (see instructions) ____ N ____ W | Format Code: ☐ DD ☐ DDM | Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SW	SW	26	28 N	13 ☐ E ☒ W

or Gov't Lot #

Well Street Address

Well City, Village or Town	Well ZIP Code
Menomonie	54751

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Test Boring/TW	

2. Facility / Owner Information

Facility Name: Laundromat Property
Facility ID (FID or PWS):
License/Permit/Monitoring #: GP-10/TW-10
Original Well Owner:
Present Well Owner: Quarters Unlimited
Mailing Address of Present Owner: N7487 STH 25

City of Present Owner	State	ZIP Code
Menomonie	WI	54751

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy):

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
23	1

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	19.70

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☒ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips			
Surface	23	4	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
AET		6-6-23

Street or Route	Telephone Number
1837 CTH OO	(715) 861 5045

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Chippewa Falls	WI	54729		8-23-23

DNR Use Only

Date Received	Noted By

Comments

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: Laundromat Property	License/Permit/Monitoring Number	Boring Number: GP-11	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Cv Last Name: — Firm: AET	Date Drilling Started: 06/06/2023	Date Drilling Completed: 06/06/2023	Drilling Method: Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: ____ Feet MSL	Surface Elevation: ____ Feet MSL	Borehole Diameter: 2 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane ____ N, ____ E — SW 1/4 of SW 1/4 of Section 26, T 28 N, R 13 W	Lat ° ' " — Long ° ' "	Local Grid Location: ____ Feet ☐ N ☐ S ____ Feet ☐ E ☐ W	
Facility ID: 617007160	County: Dunn	County Code: 17	Civil Town/City/ or Village: Menomonie		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Road Gravel + Sand				0		M				
			5	DK Brn Silty Sand + gravel some Bricks	SP			0		M				
			10					0		M				
			15	Grey Clay	CL			0		M				
			20					0		M				
			25	VF Silty Sand Tan/Grn Hard	SP			0		M				
			30	Refusal @ 28'										
			35											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: AET

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dunn	_ _ _ _ _ _ _	

Latitude / Longitude (see instructions) _____ N _____ W | Format Code: ☐ DD ☐ DDM | Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SW	SW	26	28 N	13 ☐ E ☒ W

or Gov't Lot #

Well Street Address

Well City, Village or Town	Well ZIP Code
Menomonie	54751

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Test Boring	_ _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Laundromat Property

Facility ID (FID or PWS):

License/Permit/Monitoring #: GP-11

Original Well Owner:

Present Well Owner: Quarters Unlimited

Mailing Address of Present Owner: N7487 STH 25

City of Present Owner	State	ZIP Code
Menomonie	WI	54751

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy):

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☒ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	28	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
AET		6-6-23

Street or Route	Telephone Number
1837 CTH OO	(715) 861 5045

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Chippewa Falls	WI	54729		8-23-23

DNR Use Only

Date Received	Noted By

Comments

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ ______

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Laundromat Property		GP-12/TW-12

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: CL Last Name: Firm: AET	06/06/2023	06/06/2023	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		TW-12	____ Feet MSL	____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane ______ N, ______ E
SW 1/4 of SW 1/4 of Section 26, T 28 N, R 13 W
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
617007160	Dunn	17	Menomonie

Sample: Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Topsoil + Fill										
				DK Brw silty sand				0		M				
			5	Brw silty sand				0		M				
			10	DK Brw silty sand some gravel	SP			0		M				
			15					0		M				
				Grey clay	CL			0		M				
			20	Black sandy gravel	SP			0		M				
			25	BlK sandy clay some gravel + wood				0		M				
			30	~~Grey clay~~	CL									
				Brw silty sand	SP			0		W				
			35	EOB 34'										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
[signature]	AET

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dunn	_ _ _ _ _ _ _	

Latitude / Longitude (see instructions) _____ N _____ W | Format Code: ☐ DD ☐ DDM | Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SW	SW	26	28 N	13 ☐ E ☒ W

or Gov't Lot #

Well Street Address

Well City, Village or Town	Well ZIP Code
Menomonie	54751

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Test Boring/TW	_ _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Laundromat Property

Facility ID (FID or PWS):

License/Permit/Monitoring #: GP-12/TW-12

Original Well Owner:

Present Well Owner: Quarters Unlimited

Mailing Address of Present Owner: N7487 STH 25

City of Present Owner	State	ZIP Code
Menomonie	WI	54751

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy):

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
34	1

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	28.15

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☒ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	34		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
AET		6-6-23

Street or Route	Telephone Number	Comments
1837 CTH OO	(715) 861 5045	

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Chippewa Falls	WI	54729		8-23-23

DNR Use Only

Date Received	Noted By

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ ______

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Laundromat Property		GP-13

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: CL Last Name: Firm: AET	06/06/2023	06/06/2023	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			___ Feet MSL	___ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane ___ N, ___ E
SW 1/4 of SW 1/4 of Section 26, T 28 N, R 13 W
Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "
Local Grid Location
☐ N ☐ E
___ Feet ☐ S ___ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
617007160	Dunn	17	Menomonie

Sample: Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Topsoil + Fill										
				Dk Brw Silty Sand Some gravel				0		M				
			5	Grey Sandy Clay				0		M				
			10	Blk Sandy Clay Some gravel				0		M				
			15	Brw Silty Sand + gravel	SP			0		M				
								0		M				
			20	Blk Silty Sand + gravel				0		M				
				Brw Silty Sand Some gravel										
			25	Grey Sandy Clay	CL			0		M				
				Brw Silty Sand Some gravel	SP									
			30	Grey Sandy Clay	CL			0		M				
				Weathered Sandstone	R									
			35	Refusal @ 34.6										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
[signature]	AET

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dunn		

Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SW	SW	26	28 N	13 ☐ E ☒ W

or Gov't Lot #

Well Street Address

Well City, Village or Town	Well ZIP Code
Menomonie	54751

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Test Boring	

2. Facility / Owner Information

Facility Name: Laundromat Property
Facility ID (FID or PWS):
License/Permit/Monitoring #: GP-13
Original Well Owner:
Present Well Owner: Quarters Unlimited
Mailing Address of Present Owner: N7487 STH 25

City of Present Owner	State	ZIP Code
Menomonie	WI	54751

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy):
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☒ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	34.6		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
AET		6-6-23

Street or Route	Telephone Number
1837 CTH OO	(715) 861 5045

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Chippewa Falls	WI	54729		8-23-23

DNR Use Only

Date Received	Noted By

Comments

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: Laundromat Property	License/Permit/Monitoring Number:	Boring Number: GP-14 / TW-14	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: CV Last Name: Firm: AET	Date Drilling Started: 11/20/2023	Date Drilling Completed: 11/20/2023	Drilling Method: Geoprobe
WI Unique Well No.:	DNR Well ID No.:	Well Name: TW-14	Final Static Water Level: ____ Feet MSL
Surface Elevation: ____ Feet MSL	Borehole Diameter: 2 inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane ____ N, ____ E	Lat ° ' " Long ° ' "	Local Grid Location: ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W	
SW 1/4 of SW 1/4 of Section 26, T 28 N, R 13 W			
Facility ID: 617007160	County: Dunn	County Code: 17	Civil Town/City/ or Village: Menomonie

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Top soil										
				Dk Brw Sand & gravel Fill	SP			0		M				
			5	Brw silty Sand				0		M				
				Brw Sandy silty clay	CL									
			10	Grey silty clay				0		W				
				EOB 12'										
			15											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: AET

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dunn	_ _ _ _ _ _	

Latitude / Longitude (see instructions) _____ N _____ W | Format Code: ☐ DD ☐ DDM | Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ ¼	¼	Section	Township	Range
SW	SW	26	28 N	13 ☐ E ☒ W

or Gov't Lot #

Well Street Address

Well City, Village or Town	Well ZIP Code
Menomonie	54751

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Test Boring / TW	_ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Laundromat Property

Facility ID (FID or PWS)

License/Permit/Monitoring #: GP-14 / TW-14

Original Well Owner

Present Well Owner: Quarters Unlimited

Mailing Address of Present Owner: N7487 STH 25

City of Present Owner	State	ZIP Code
Menomonie	WI	54751

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
12	1

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	8.35

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☒ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface		12	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
AET		11-20-23

Street or Route	Telephone Number
1837 CTH OO	(715) 861-5045

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Chippewa Falls	WI	54729		12-5-23

DNR Use Only

Date Received	Noted By

Comments

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Laundromat Property		GP-15 / TW-15

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: CV Last Name: Firm: AET	11/20/2023 (m m d d y y y y)	11/20/2023 (m m d d y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		TW-15	____ Feet MSL	____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SW 1/4 of SW 1/4 of Section 26, T 28 N, R 13 W

Lat ° ' "
Long ° ' "

Local Grid Location
☐ N ☐ E
____ Feet ☐ S ____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
61700716O	Dunn	17	Menomonie

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Wood chips										
				Dk Brw Sand & Gravel Fill										
				Dk Brw Sand & gravel Fill Bricks Concrete				0		M				
			5	Brw Sand Fill				0		M				
				Dk Brw sandy gravel Fill										
			10	Grey silty clay	CL			0		M				
				Brw silty clay				0		M				
			15											
								0		M				
				Grey silty clay										
			20	Brw silty clay						M				
				Grey Sandy clay				0		W				
				Brw Silty Sand						M				
			25	Grey sandy gravelly clay				0		W				
			30	EOB 28'										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm AET

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State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dunn	_ _ _ _ _ _ _	

Latitude / Longitude (see instructions) _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ or Gov't Lot #	¼	Section	Township	Range
SW	SW	26	28 N	13 ☐ E ☒ W

Well Street Address:

Well City, Village or Town	Well ZIP Code
Menomonie	54751
Subdivision Name	Lot #

Reason for Removal from Service: Test Boring / TW
WI Unique Well # of Replacement Well: _ _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Laundromat Property
Facility ID (FID or PWS):
License/Permit/Monitoring #: GP-15 / TW-15
Original Well Owner:
Present Well Owner: Quarters Unlimited
Mailing Address of Present Owner: N7487 STH 25

City of Present Owner	State	ZIP Code
Menomonie	WI	54751

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy):
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
28	1
Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	25.51

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☒ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface		28	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
AET		11-20-23

Street or Route	Telephone Number
1837 CTH OO	(715) 861-5045

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Chippewa Falls	WI	54729		12-5-23

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Laundromat Property		GP-16 / TW-16

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: CV Last Name: Firm: AET	11/20/2023 (m m d d y y y y)	11/20/2023 (m m d d y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _	TW-16	_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SW 1/4 of SW 1/4 of Section 26, T 28 N, R 13 W

Lat ° ' "
Long ° ' "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
61700716O	Dunn	17	Menomonie

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Crushed stone										
				DK Brw sand + gravel Fill				0		M				
			5	DK Brw silty sand + gravel Fill				0		M				
			10					0		M				
				Brick + concrete chips										
			15					0		M				
				Brw silty clay	CL			0		M				
			20							M				
				DK Brw silty sand + gravel	SP			0		W				
				Brw silty clay	CL									
			25	EOB 24'										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm AET

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State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dunn	_ _ _ _ _ _	

Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SW	SW	26	28 N	13 ☐ E ☒ W

or Gov't Lot #

Well Street Address:

Well City, Village or Town	Well ZIP Code
Menomonie	54751

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Test Boring / TW	_ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Laundromat Property
Facility ID (FID or PWS):
License/Permit/Monitoring #: GP-16 / TW-16
Original Well Owner:
Present Well Owner: Quarters Unlimited
Mailing Address of Present Owner: N7487 STH 25

City of Present Owner	State	ZIP Code
Menomonie	WI	54751

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy):
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
24	1
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	22.51

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☒ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface		24	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
AET		11-20-23

Street or Route	Telephone Number
1837 CTH OO	(715) 861-5045

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Chippewa Falls	WI	54729		12-5-23

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: Laundromat Property	License/Permit/Monitoring Number:	Boring Number: GP-17 / TW-17
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: CV Last Name: Firm: AET	Date Drilling Started: 11/20/2023	Date Drilling Completed: 11/20/2023 — Drilling Method: Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name: TW-17 — Final Static Water Level: ____ Feet MSL — Surface Elevation: ____ Feet MSL — Borehole Diameter: 2 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane ____ N, ____ E — SW 1/4 of SW 1/4 of Section 26, T 28 N, R 13 W	Lat ° ' " — Long ° ' "	Local Grid Location: ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W
Facility ID: 61700716O	County: Dunn	County Code: 17 — Civil Town/City/ or Village: Menomonie

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Topsoil										
				Brw Sand Fill				0		M				
			5											
				DK Brw silty Sand + gravel Brick + concrete chips				0		M				
			10					0		M				
				Tn silty Sand	SP			0		W				
			15	Brw Sandy Clay	CL									
				EOB 16'										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: AET

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dunn		

Latitude / Longitude (see instructions) ____ N ____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SW	SW	26	28 N	13 ☐ E ☒ W

or Gov't Lot #

Well Street Address

Well City, Village or Town	Well ZIP Code
Menomonie	54751

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Test Boring / TW	

2. Facility / Owner Information

Facility Name: Laundromat Property
Facility ID (FID or PWS):
License/Permit/Monitoring #: GP-17 / TW-17
Original Well Owner:
Present Well Owner: Quarters Unlimited
Mailing Address of Present Owner: N7487 STH 25

City of Present Owner	State	ZIP Code
Menomonie	WI	54751

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy):
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
16	1

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	12.35

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☒ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface		16	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
AET		11-20-23

Street or Route	Telephone Number
1837 CTH OO	(715) 861-5045

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Chippewa Falls	WI	54729		12-5-23

DNR Use Only

Date Received	Noted By

Comments:

Appendix D

Laboratory Analytical Report and Chain-of-Custody

eurofins | Environment Testing

REVIEWED
By mneal at 10:08 am, Dec 05, 2023

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Michael Neal
American Engineering Testing Inc.
1837 Cty Hwy OO
Chippewa Falls, Wisconsin 54729

Generated 6/1/2023 1:26:08 PM

JOB DESCRIPTION

Laundromat Property - P-0011071

JOB NUMBER

500-234265-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

myEOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

Generated
6/1/2023 1:26:08 PM

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Laboratory Job ID: 500-234265-1

Table of Contents

Case Narrative

Client: American Engineering Testing Inc. Job ID: 500-234265-1
Project/Site: Laundromat Property - P-0011071

Job ID: 500-234265-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-234265-1

Comments
No additional comments.

Receipt
The samples were received on 5/24/2023 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.7º C.

GC/MS VOA
Method 8260D: The laboratory control sample (LCS) for analytical batch 500-715986 recovered outside control limits for the following analytes: 2-Chlorotoluene, 4-Chlorotoluene, tert-Butylbenzene, Isopropyl ether and Bromobenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The method blank for analytical batch 500-715986 contained 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene and Chloromethane above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-234265-1

Client Sample ID: MW-1 — Lab Sample ID: 500-234265-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	4.6		1.0	0.37	ug/L	1		8260D	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 500-234265-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.7		1.0	0.37	ug/L	1		8260D	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 500-234265-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	7.2		1.0	0.37	ug/L	1		8260D	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 500-234265-4

No Detections.

Client Sample ID: MW-5 — Lab Sample ID: 500-234265-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.9		1.0	0.37	ug/L	1		8260D	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 500-234265-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.6	J	2.0	0.37	ug/L	1		8260D	Total/NA
Tetrachloroethene	42		1.0	0.37	ug/L	1		8260D	Total/NA
Trichloroethene	2.4		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-234265-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.76	J B	1.0	0.36	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	0.79	J B	1.0	0.25	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: American Engineering Testing Inc. Job ID: 500-234265-1
Project/Site: Laundromat Property - P-0011071

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-234265-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-234265-1	MW-1	Ground Water	05/23/23 08:15	05/24/23 10:30
500-234265-2	MW-2	Ground Water	05/23/23 08:30	05/24/23 10:30
500-234265-3	MW-3	Ground Water	05/23/23 09:30	05/24/23 10:30
500-234265-4	MW-4	Ground Water	05/23/23 07:45	05/24/23 10:30
500-234265-5	MW-5	Ground Water	05/23/23 08:00	05/24/23 10:30
500-234265-6	MW-6	Ground Water	05/23/23 09:00	05/24/23 10:30
500-234265-7	Trip Blank	Water	05/23/23 00:00	05/24/23 10:30

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-234265-1

Client Sample ID: MW-1

Date Collected: 05/23/23 08:15
Date Received: 05/24/23 10:30

Lab Sample ID: 500-234265-1

Matrix: Ground Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/31/23 15:19	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/31/23 15:19	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/31/23 15:19	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/31/23 15:19	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/31/23 15:19	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/31/23 15:19	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/31/23 15:19	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/31/23 15:19	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/31/23 15:19	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/31/23 15:19	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/31/23 15:19	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/31/23 15:19	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/31/23 15:19	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/31/23 15:19	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/31/23 15:19	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/31/23 15:19	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/31/23 15:19	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/31/23 15:19	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/31/23 15:19	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/31/23 15:19	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/31/23 15:19	1
2-Chlorotoluene	<0.31	*+	1.0	0.31	ug/L			05/31/23 15:19	1
4-Chlorotoluene	<0.35	*+	1.0	0.35	ug/L			05/31/23 15:19	1
Benzene	<0.15		0.50	0.15	ug/L			05/31/23 15:19	1
Bromobenzene	<0.36	*+	1.0	0.36	ug/L			05/31/23 15:19	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/31/23 15:19	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/31/23 15:19	1
Bromoform	<0.48		1.0	0.48	ug/L			05/31/23 15:19	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/31/23 15:19	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/31/23 15:19	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/31/23 15:19	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			05/31/23 15:19	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/31/23 15:19	1
Chloroform	<0.37		2.0	0.37	ug/L			05/31/23 15:19	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/31/23 15:19	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/31/23 15:19	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/31/23 15:19	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/31/23 15:19	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/31/23 15:19	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/31/23 15:19	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/31/23 15:19	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/31/23 15:19	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/31/23 15:19	1
Isopropylbenzene	<0.39	*+	1.0	0.39	ug/L			05/31/23 15:19	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/31/23 15:19	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/31/23 15:19	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/31/23 15:19	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/31/23 15:19	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/31/23 15:19	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234265-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-1 Lab Sample ID: 500-234265-1

Date Collected: 05/23/23 08:15 **Matrix: Ground Water**
Date Received: 05/24/23 10:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/31/23 15:19	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/31/23 15:19	1
Styrene	<0.39		1.0	0.39	ug/L			05/31/23 15:19	1
tert-Butylbenzene	<0.40	*+	1.0	0.40	ug/L			05/31/23 15:19	1
Tetrachloroethene	**4.6**		1.0	0.37	ug/L			05/31/23 15:19	1
Toluene	<0.15		0.50	0.15	ug/L			05/31/23 15:19	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/31/23 15:19	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/31/23 15:19	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/31/23 15:19	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/31/23 15:19	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/31/23 15:19	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/31/23 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*05/31/23 15:19*	*1*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*		*05/31/23 15:19*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 120*		*05/31/23 15:19*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/31/23 15:19*	*1*

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234265-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-2 Lab Sample ID: 500-234265-2

Date Collected: 05/23/23 08:30 **Matrix: Ground Water**
Date Received: 05/24/23 10:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/31/23 15:45	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/31/23 15:45	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/31/23 15:45	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/31/23 15:45	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/31/23 15:45	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/31/23 15:45	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/31/23 15:45	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/31/23 15:45	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/31/23 15:45	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/31/23 15:45	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/31/23 15:45	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/31/23 15:45	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/31/23 15:45	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/31/23 15:45	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/31/23 15:45	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/31/23 15:45	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/31/23 15:45	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/31/23 15:45	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/31/23 15:45	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/31/23 15:45	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/31/23 15:45	1
2-Chlorotoluene	<0.31	*+	1.0	0.31	ug/L			05/31/23 15:45	1
4-Chlorotoluene	<0.35	*+	1.0	0.35	ug/L			05/31/23 15:45	1
Benzene	<0.15		0.50	0.15	ug/L			05/31/23 15:45	1
Bromobenzene	<0.36	*+	1.0	0.36	ug/L			05/31/23 15:45	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/31/23 15:45	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/31/23 15:45	1
Bromoform	<0.48		1.0	0.48	ug/L			05/31/23 15:45	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/31/23 15:45	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/31/23 15:45	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/31/23 15:45	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			05/31/23 15:45	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/31/23 15:45	1
Chloroform	<0.37		2.0	0.37	ug/L			05/31/23 15:45	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/31/23 15:45	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/31/23 15:45	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/31/23 15:45	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/31/23 15:45	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/31/23 15:45	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/31/23 15:45	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/31/23 15:45	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/31/23 15:45	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/31/23 15:45	1
Isopropylbenzene	<0.39	*+	1.0	0.39	ug/L			05/31/23 15:45	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/31/23 15:45	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/31/23 15:45	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/31/23 15:45	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/31/23 15:45	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/31/23 15:45	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234265-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-2 Lab Sample ID: 500-234265-2

Date Collected: 05/23/23 08:30 **Matrix: Ground Water**
Date Received: 05/24/23 10:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/31/23 15:45	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/31/23 15:45	1
Styrene	<0.39		1.0	0.39	ug/L			05/31/23 15:45	1
tert-Butylbenzene	<0.40	*+	1.0	0.40	ug/L			05/31/23 15:45	1
Tetrachloroethene	**3.7**		1.0	0.37	ug/L			05/31/23 15:45	1
Toluene	<0.15		0.50	0.15	ug/L			05/31/23 15:45	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/31/23 15:45	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/31/23 15:45	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/31/23 15:45	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/31/23 15:45	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/31/23 15:45	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/31/23 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*05/31/23 15:45*	*1*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*05/31/23 15:45*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*05/31/23 15:45*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/31/23 15:45*	*1*

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234265-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-3 Lab Sample ID: 500-234265-3

Date Collected: 05/23/23 09:30 **Matrix: Ground Water**
Date Received: 05/24/23 10:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/31/23 16:11	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/31/23 16:11	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/31/23 16:11	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/31/23 16:11	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/31/23 16:11	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/31/23 16:11	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/31/23 16:11	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/31/23 16:11	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/31/23 16:11	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/31/23 16:11	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/31/23 16:11	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/31/23 16:11	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/31/23 16:11	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/31/23 16:11	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/31/23 16:11	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/31/23 16:11	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/31/23 16:11	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/31/23 16:11	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/31/23 16:11	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/31/23 16:11	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/31/23 16:11	1
2-Chlorotoluene	<0.31	*+	1.0	0.31	ug/L			05/31/23 16:11	1
4-Chlorotoluene	<0.35	*+	1.0	0.35	ug/L			05/31/23 16:11	1
Benzene	<0.15		0.50	0.15	ug/L			05/31/23 16:11	1
Bromobenzene	<0.36	*+	1.0	0.36	ug/L			05/31/23 16:11	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/31/23 16:11	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/31/23 16:11	1
Bromoform	<0.48		1.0	0.48	ug/L			05/31/23 16:11	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/31/23 16:11	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/31/23 16:11	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/31/23 16:11	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			05/31/23 16:11	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/31/23 16:11	1
Chloroform	<0.37		2.0	0.37	ug/L			05/31/23 16:11	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/31/23 16:11	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/31/23 16:11	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/31/23 16:11	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/31/23 16:11	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/31/23 16:11	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/31/23 16:11	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/31/23 16:11	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/31/23 16:11	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/31/23 16:11	1
Isopropylbenzene	<0.39	*+	1.0	0.39	ug/L			05/31/23 16:11	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/31/23 16:11	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/31/23 16:11	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/31/23 16:11	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/31/23 16:11	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/31/23 16:11	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234265-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-3 Lab Sample ID: 500-234265-3

Date Collected: 05/23/23 09:30 **Matrix: Ground Water**
Date Received: 05/24/23 10:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/31/23 16:11	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/31/23 16:11	1
Styrene	<0.39		1.0	0.39	ug/L			05/31/23 16:11	1
tert-Butylbenzene	<0.40	*+	1.0	0.40	ug/L			05/31/23 16:11	1
Tetrachloroethene	**7.2**		1.0	0.37	ug/L			05/31/23 16:11	1
Toluene	<0.15		0.50	0.15	ug/L			05/31/23 16:11	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/31/23 16:11	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/31/23 16:11	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/31/23 16:11	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/31/23 16:11	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/31/23 16:11	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/31/23 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*05/31/23 16:11*	*1*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*05/31/23 16:11*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*05/31/23 16:11*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/31/23 16:11*	*1*

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-234265-1

Client Sample ID: MW-4

Date Collected: 05/23/23 07:45
Date Received: 05/24/23 10:30

Lab Sample ID: 500-234265-4

Matrix: Ground Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/31/23 16:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/31/23 16:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/31/23 16:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/31/23 16:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/31/23 16:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/31/23 16:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/31/23 16:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/31/23 16:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/31/23 16:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/31/23 16:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/31/23 16:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/31/23 16:37	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/31/23 16:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/31/23 16:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/31/23 16:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/31/23 16:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/31/23 16:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/31/23 16:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/31/23 16:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/31/23 16:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/31/23 16:37	1
2-Chlorotoluene	<0.31	*+	1.0	0.31	ug/L			05/31/23 16:37	1
4-Chlorotoluene	<0.35	*+	1.0	0.35	ug/L			05/31/23 16:37	1
Benzene	<0.15		0.50	0.15	ug/L			05/31/23 16:37	1
Bromobenzene	<0.36	*+	1.0	0.36	ug/L			05/31/23 16:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/31/23 16:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/31/23 16:37	1
Bromoform	<0.48		1.0	0.48	ug/L			05/31/23 16:37	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/31/23 16:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/31/23 16:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/31/23 16:37	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			05/31/23 16:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/31/23 16:37	1
Chloroform	<0.37		2.0	0.37	ug/L			05/31/23 16:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/31/23 16:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/31/23 16:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/31/23 16:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/31/23 16:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/31/23 16:37	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/31/23 16:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/31/23 16:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/31/23 16:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/31/23 16:37	1
Isopropylbenzene	<0.39	*+	1.0	0.39	ug/L			05/31/23 16:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/31/23 16:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/31/23 16:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/31/23 16:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/31/23 16:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/31/23 16:37	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234265-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-4 Lab Sample ID: 500-234265-4

Date Collected: 05/23/23 07:45 **Matrix: Ground Water**
Date Received: 05/24/23 10:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/31/23 16:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/31/23 16:37	1
Styrene	<0.39		1.0	0.39	ug/L			05/31/23 16:37	1
tert-Butylbenzene	<0.40	*+	1.0	0.40	ug/L			05/31/23 16:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/31/23 16:37	1
Toluene	<0.15		0.50	0.15	ug/L			05/31/23 16:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/31/23 16:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/31/23 16:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/31/23 16:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/31/23 16:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/31/23 16:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/31/23 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*05/31/23 16:37*	*1*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*05/31/23 16:37*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*05/31/23 16:37*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/31/23 16:37*	*1*

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234265-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-5 Lab Sample ID: 500-234265-5

Date Collected: 05/23/23 08:00 **Matrix: Ground Water**
Date Received: 05/24/23 10:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/31/23 17:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/31/23 17:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/31/23 17:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/31/23 17:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/31/23 17:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/31/23 17:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/31/23 17:04	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/31/23 17:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/31/23 17:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/31/23 17:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/31/23 17:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/31/23 17:04	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/31/23 17:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/31/23 17:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/31/23 17:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/31/23 17:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/31/23 17:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/31/23 17:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/31/23 17:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/31/23 17:04	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/31/23 17:04	1
2-Chlorotoluene	<0.31	*+	1.0	0.31	ug/L			05/31/23 17:04	1
4-Chlorotoluene	<0.35	*+	1.0	0.35	ug/L			05/31/23 17:04	1
Benzene	<0.15		0.50	0.15	ug/L			05/31/23 17:04	1
Bromobenzene	<0.36	*+	1.0	0.36	ug/L			05/31/23 17:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/31/23 17:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/31/23 17:04	1
Bromoform	<0.48		1.0	0.48	ug/L			05/31/23 17:04	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/31/23 17:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/31/23 17:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/31/23 17:04	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			05/31/23 17:04	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/31/23 17:04	1
Chloroform	<0.37		2.0	0.37	ug/L			05/31/23 17:04	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/31/23 17:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/31/23 17:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/31/23 17:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/31/23 17:04	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/31/23 17:04	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/31/23 17:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/31/23 17:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/31/23 17:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/31/23 17:04	1
Isopropylbenzene	<0.39	*+	1.0	0.39	ug/L			05/31/23 17:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/31/23 17:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/31/23 17:04	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/31/23 17:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/31/23 17:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/31/23 17:04	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234265-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-5 Lab Sample ID: 500-234265-5

Date Collected: 05/23/23 08:00 **Matrix: Ground Water**
Date Received: 05/24/23 10:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/31/23 17:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/31/23 17:04	1
Styrene	<0.39		1.0	0.39	ug/L			05/31/23 17:04	1
tert-Butylbenzene	<0.40	*+	1.0	0.40	ug/L			05/31/23 17:04	1
Tetrachloroethene	**2.9**		1.0	0.37	ug/L			05/31/23 17:04	1
Toluene	<0.15		0.50	0.15	ug/L			05/31/23 17:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/31/23 17:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/31/23 17:04	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/31/23 17:04	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/31/23 17:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/31/23 17:04	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/31/23 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*05/31/23 17:04*	*1*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*05/31/23 17:04*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*05/31/23 17:04*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/31/23 17:04*	*1*

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234265-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-6 Lab Sample ID: 500-234265-6

Date Collected: 05/23/23 09:00 **Matrix: Ground Water**
Date Received: 05/24/23 10:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/31/23 17:30	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/31/23 17:30	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/31/23 17:30	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/31/23 17:30	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/31/23 17:30	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/31/23 17:30	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/31/23 17:30	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/31/23 17:30	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/31/23 17:30	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/31/23 17:30	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/31/23 17:30	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/31/23 17:30	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/31/23 17:30	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/31/23 17:30	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/31/23 17:30	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/31/23 17:30	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/31/23 17:30	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/31/23 17:30	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/31/23 17:30	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/31/23 17:30	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/31/23 17:30	1
2-Chlorotoluene	<0.31	*+	1.0	0.31	ug/L			05/31/23 17:30	1
4-Chlorotoluene	<0.35	*+	1.0	0.35	ug/L			05/31/23 17:30	1
Benzene	<0.15		0.50	0.15	ug/L			05/31/23 17:30	1
Bromobenzene	<0.36	*+	1.0	0.36	ug/L			05/31/23 17:30	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/31/23 17:30	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/31/23 17:30	1
Bromoform	<0.48		1.0	0.48	ug/L			05/31/23 17:30	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/31/23 17:30	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/31/23 17:30	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/31/23 17:30	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			05/31/23 17:30	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/31/23 17:30	1
Chloroform	**1.6**	**J**	2.0	0.37	ug/L			05/31/23 17:30	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/31/23 17:30	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/31/23 17:30	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/31/23 17:30	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/31/23 17:30	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/31/23 17:30	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/31/23 17:30	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/31/23 17:30	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/31/23 17:30	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/31/23 17:30	1
Isopropylbenzene	<0.39	*+	1.0	0.39	ug/L			05/31/23 17:30	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/31/23 17:30	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/31/23 17:30	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/31/23 17:30	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/31/23 17:30	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/31/23 17:30	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234265-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-6 Lab Sample ID: 500-234265-6

Date Collected: 05/23/23 09:00 **Matrix: Ground Water**
Date Received: 05/24/23 10:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/31/23 17:30	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/31/23 17:30	1
Styrene	<0.39		1.0	0.39	ug/L			05/31/23 17:30	1
tert-Butylbenzene	<0.40	*+	1.0	0.40	ug/L			05/31/23 17:30	1
Tetrachloroethene	**42**		1.0	0.37	ug/L			05/31/23 17:30	1
Toluene	<0.15		0.50	0.15	ug/L			05/31/23 17:30	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/31/23 17:30	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/31/23 17:30	1
Trichloroethene	**2.4**		0.50	0.16	ug/L			05/31/23 17:30	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/31/23 17:30	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/31/23 17:30	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/31/23 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*05/31/23 17:30*	*1*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*		*05/31/23 17:30*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*05/31/23 17:30*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/31/23 17:30*	*1*

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-234265-1

Client Sample ID: Trip Blank

Date Collected: 05/23/23 00:00
Date Received: 05/24/23 10:30

Lab Sample ID: 500-234265-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/31/23 13:34	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/31/23 13:34	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/31/23 13:34	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/31/23 13:34	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/31/23 13:34	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/31/23 13:34	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/31/23 13:34	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/31/23 13:34	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/31/23 13:34	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/31/23 13:34	1
1,2,4-Trimethylbenzene	**0.76**	**J B**	1.0	0.36	ug/L			05/31/23 13:34	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/31/23 13:34	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/31/23 13:34	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/31/23 13:34	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/31/23 13:34	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/31/23 13:34	1
1,3,5-Trimethylbenzene	**0.79**	**J B**	1.0	0.25	ug/L			05/31/23 13:34	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/31/23 13:34	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/31/23 13:34	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/31/23 13:34	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/31/23 13:34	1
2-Chlorotoluene	<0.31	*+	1.0	0.31	ug/L			05/31/23 13:34	1
4-Chlorotoluene	<0.35	*+	1.0	0.35	ug/L			05/31/23 13:34	1
Benzene	<0.15		0.50	0.15	ug/L			05/31/23 13:34	1
Bromobenzene	<0.36	*+	1.0	0.36	ug/L			05/31/23 13:34	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/31/23 13:34	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/31/23 13:34	1
Bromoform	<0.48		1.0	0.48	ug/L			05/31/23 13:34	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/31/23 13:34	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/31/23 13:34	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/31/23 13:34	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			05/31/23 13:34	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/31/23 13:34	1
Chloroform	<0.37		2.0	0.37	ug/L			05/31/23 13:34	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/31/23 13:34	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/31/23 13:34	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/31/23 13:34	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/31/23 13:34	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/31/23 13:34	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/31/23 13:34	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/31/23 13:34	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/31/23 13:34	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/31/23 13:34	1
Isopropylbenzene	<0.39	*+	1.0	0.39	ug/L			05/31/23 13:34	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/31/23 13:34	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/31/23 13:34	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/31/23 13:34	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/31/23 13:34	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/31/23 13:34	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234265-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: Trip Blank
Lab Sample ID: 500-234265-7
Date Collected: 05/23/23 00:00
Matrix: Water
Date Received: 05/24/23 10:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/31/23 13:34	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/31/23 13:34	1
Styrene	<0.39		1.0	0.39	ug/L			05/31/23 13:34	1
tert-Butylbenzene	<0.40	*+	1.0	0.40	ug/L			05/31/23 13:34	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/31/23 13:34	1
Toluene	<0.15		0.50	0.15	ug/L			05/31/23 13:34	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/31/23 13:34	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/31/23 13:34	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/31/23 13:34	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/31/23 13:34	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/31/23 13:34	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/31/23 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*05/31/23 13:34*	*1*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*		*05/31/23 13:34*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*05/31/23 13:34*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/31/23 13:34*	*1*

Definitions/Glossary

Client: American Engineering Testing Inc. Job ID: 500-234265-1
Project/Site: Laundromat Property - P-0011071

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: American Engineering Testing Inc. Job ID: 500-234265-1
Project/Site: Laundromat Property - P-0011071

GC/MS VOA

Analysis Batch: 715986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234265-1	MW-1	Total/NA	Ground Water	8260D	
500-234265-2	MW-2	Total/NA	Ground Water	8260D	
500-234265-3	MW-3	Total/NA	Ground Water	8260D	
500-234265-4	MW-4	Total/NA	Ground Water	8260D	
500-234265-5	MW-5	Total/NA	Ground Water	8260D	
500-234265-6	MW-6	Total/NA	Ground Water	8260D	
500-234265-7	Trip Blank	Total/NA	Water	8260D	
MB 500-715986/7	Method Blank	Total/NA	Water	8260D	
LCS 500-715986/4	Lab Control Sample	Total/NA	Water	8260D	

Surrogate Summary

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-234265-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-234265-1	MW-1	97	109	95	95
500-234265-2	MW-2	94	108	93	98
500-234265-3	MW-3	97	110	93	98
500-234265-4	MW-4	96	110	94	98
500-234265-5	MW-5	97	110	94	98
500-234265-6	MW-6	96	111	94	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-234265-7	Trip Blank	94	109	92	98
LCS 500-715986/4	Lab Control Sample	88	111	88	100
MB 500-715986/7	Method Blank	92	110	92	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-234265-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-715986/7
Matrix: Water
Analysis Batch: 715986

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/31/23 13:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/31/23 13:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/31/23 13:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/31/23 13:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/31/23 13:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/31/23 13:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/31/23 13:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/31/23 13:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/31/23 13:08	1
1,2,4-Trichlorobenzene	0.345	J	1.0	0.34	ug/L			05/31/23 13:08	1
1,2,4-Trimethylbenzene	0.797	J	1.0	0.36	ug/L			05/31/23 13:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/31/23 13:08	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/31/23 13:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/31/23 13:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/31/23 13:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/31/23 13:08	1
1,3,5-Trimethylbenzene	0.827	J	1.0	0.25	ug/L			05/31/23 13:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/31/23 13:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/31/23 13:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/31/23 13:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/31/23 13:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/31/23 13:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/31/23 13:08	1
Benzene	<0.15		0.50	0.15	ug/L			05/31/23 13:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/31/23 13:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/31/23 13:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/31/23 13:08	1
Bromoform	<0.48		1.0	0.48	ug/L			05/31/23 13:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/31/23 13:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/31/23 13:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/31/23 13:08	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			05/31/23 13:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/31/23 13:08	1
Chloroform	<0.37		2.0	0.37	ug/L			05/31/23 13:08	1
Chloromethane	0.634	J	1.0	0.32	ug/L			05/31/23 13:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/31/23 13:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/31/23 13:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/31/23 13:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/31/23 13:08	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			05/31/23 13:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/31/23 13:08	1
Hexachlorobutadiene	0.458	J	1.0	0.45	ug/L			05/31/23 13:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/31/23 13:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/31/23 13:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/31/23 13:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/31/23 13:08	1
Naphthalene	0.491	J	1.0	0.34	ug/L			05/31/23 13:08	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/31/23 13:08	1

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-234265-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-715986/7
Matrix: Water
Analysis Batch: 715986

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/31/23 13:08	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/31/23 13:08	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/31/23 13:08	1
Styrene	<0.39		1.0	0.39	ug/L			05/31/23 13:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/31/23 13:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/31/23 13:08	1
Toluene	<0.15		0.50	0.15	ug/L			05/31/23 13:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/31/23 13:08	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/31/23 13:08	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/31/23 13:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/31/23 13:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/31/23 13:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/31/23 13:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*05/31/23 13:08*	*1*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*05/31/23 13:08*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*05/31/23 13:08*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*05/31/23 13:08*	*1*

Lab Sample ID: LCS 500-715986/4
Matrix: Water
Analysis Batch: 715986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	40.0	45.2		ug/L		113	70 - 125
1,1,1-Trichloroethane	40.0	38.7		ug/L		97	70 - 125
1,1,2,2-Tetrachloroethane	40.0	44.4		ug/L		111	62 - 140
1,1,2-Trichloroethane	40.0	47.0		ug/L		118	71 - 130
1,1-Dichloroethane	40.0	41.4		ug/L		104	70 - 125
1,1-Dichloroethene	40.0	36.6		ug/L		92	67 - 122
1,1-Dichloropropene	40.0	42.4		ug/L		106	70 - 121
1,2,3-Trichlorobenzene	40.0	43.3		ug/L		108	51 - 145
1,2,3-Trichloropropane	40.0	44.9		ug/L		112	50 - 133
1,2,4-Trichlorobenzene	40.0	44.3		ug/L		111	57 - 137
1,2,4-Trimethylbenzene	40.0	44.2		ug/L		110	70 - 123
1,2-Dibromo-3-Chloropropane	40.0	40.3		ug/L		101	56 - 123
1,2-Dibromoethane (EDB)	40.0	48.3		ug/L		121	70 - 125
1,2-Dichlorobenzene	40.0	46.9		ug/L		117	70 - 125
1,2-Dichloroethane	40.0	44.5		ug/L		111	68 - 127
1,2-Dichloropropane	40.0	46.9		ug/L		117	67 - 130
1,3,5-Trimethylbenzene	40.0	44.6		ug/L		111	70 - 123
1,3-Dichlorobenzene	40.0	48.4		ug/L		121	70 - 125
1,3-Dichloropropane	40.0	46.5		ug/L		116	62 - 136
1,4-Dichlorobenzene	40.0	45.7		ug/L		114	70 - 120
2,2-Dichloropropane	40.0	38.0		ug/L		95	58 - 139
2-Chlorotoluene	40.0	52.0	*+	ug/L		130	70 - 125
4-Chlorotoluene	40.0	51.6	*+	ug/L		129	68 - 124

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-234265-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-715986/4
Matrix: Water
Analysis Batch: 715986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	40.0	43.0		ug/L		108	70 - 120
Bromobenzene	40.0	53.8	*+	ug/L		135	70 - 122
Bromochloromethane	40.0	42.0		ug/L		105	65 - 122
Bromodichloromethane	40.0	41.9		ug/L		105	69 - 120
Bromoform	40.0	44.7		ug/L		112	56 - 132
Bromomethane	40.0	33.6		ug/L		84	40 - 152
Carbon tetrachloride	40.0	36.3		ug/L		91	59 - 133
Chlorobenzene	40.0	47.5		ug/L		119	70 - 120
Chlorodibromomethane	40.0	44.3		ug/L		111	68 - 125
Chloroethane	40.0	41.3		ug/L		103	48 - 136
Chloroform	40.0	35.9		ug/L		90	70 - 120
Chloromethane	40.0	35.9		ug/L		90	56 - 152
cis-1,2-Dichloroethene	40.0	43.2		ug/L		108	70 - 125
cis-1,3-Dichloropropene	40.0	46.3		ug/L		116	64 - 127
Dibromomethane	40.0	40.6		ug/L		101	70 - 120
Dichlorodifluoromethane	40.0	41.7		ug/L		104	40 - 159
Dichlorofluoromethane	40.0	37.1		ug/L		93	69 - 124
Ethylbenzene	40.0	47.0		ug/L		118	70 - 123
Hexachlorobutadiene	40.0	49.4		ug/L		124	51 - 150
Isopropylbenzene	40.0	52.2	*+	ug/L		130	70 - 126
Methyl tert-butyl ether	40.0	41.3		ug/L		103	55 - 123
Methylene Chloride	40.0	40.3		ug/L		101	69 - 125
Naphthalene	40.0	36.0		ug/L		90	53 - 144
n-Butylbenzene	40.0	45.1		ug/L		113	68 - 125
N-Propylbenzene	40.0	50.8		ug/L		127	69 - 127
p-Isopropyltoluene	40.0	43.0		ug/L		107	70 - 125
sec-Butylbenzene	40.0	48.8		ug/L		122	70 - 123
Styrene	40.0	41.8		ug/L		105	70 - 120
tert-Butylbenzene	40.0	52.1	*+	ug/L		130	70 - 121
Tetrachloroethene	40.0	48.2		ug/L		121	70 - 128
Toluene	40.0	47.3		ug/L		118	70 - 125
trans-1,2-Dichloroethene	40.0	41.0		ug/L		102	70 - 125
trans-1,3-Dichloropropene	40.0	46.5		ug/L		116	62 - 128
Trichloroethene	40.0	46.2		ug/L		115	70 - 125
Trichlorofluoromethane	40.0	34.2		ug/L		86	55 - 128
Vinyl chloride	40.0	46.3		ug/L		116	64 - 126
Xylenes, Total	80.0	99.1		ug/L		124	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*
Dibromofluoromethane (Surr)	*88*		*75 - 120*
Toluene-d8 (Surr)	*100*		*75 - 120*

Lab Chronicle

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-234265-1

Client Sample ID: MW-1
Date Collected: 05/23/23 08:15
Date Received: 05/24/23 10:30

Lab Sample ID: 500-234265-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	715986	W1T	EET CHI	05/31/23 15:19

Client Sample ID: MW-2
Date Collected: 05/23/23 08:30
Date Received: 05/24/23 10:30

Lab Sample ID: 500-234265-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	715986	W1T	EET CHI	05/31/23 15:45

Client Sample ID: MW-3
Date Collected: 05/23/23 09:30
Date Received: 05/24/23 10:30

Lab Sample ID: 500-234265-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	715986	W1T	EET CHI	05/31/23 16:11

Client Sample ID: MW-4
Date Collected: 05/23/23 07:45
Date Received: 05/24/23 10:30

Lab Sample ID: 500-234265-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	715986	W1T	EET CHI	05/31/23 16:37

Client Sample ID: MW-5
Date Collected: 05/23/23 08:00
Date Received: 05/24/23 10:30

Lab Sample ID: 500-234265-5
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	715986	W1T	EET CHI	05/31/23 17:04

Client Sample ID: MW-6
Date Collected: 05/23/23 09:00
Date Received: 05/24/23 10:30

Lab Sample ID: 500-234265-6
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	715986	W1T	EET CHI	05/31/23 17:30

Client Sample ID: Trip Blank
Date Collected: 05/23/23 00:00
Date Received: 05/24/23 10:30

Lab Sample ID: 500-234265-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	715986	W1T	EET CHI	05/31/23 13:34

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: American Engineering Testing Inc. Job ID: 500-234265-1
Project/Site: Laundromat Property - P-0011071

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Chain of Custody Record

523110

eurofins Environment Testing TestAmerica

Address ______

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	
Company Name	AET
Address	
City State Zip	CF, WI 54729
Phone	715 861 5045
Fax	
Project Name	Laundromat Property
Site	
P O #	18174528

AET # P-0011071

Project Manager: M Neal
Tel/Email: mneal@teamaet.com

Analysis Turnaround Time: ☐ CALENDAR DAYS ☒ WORKING DAYS
TAT if different from Below ______
☒ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Site Contact:
Lab Contact: Sandie F
Date: 5-23-23
Carrier

COC No: 1 of 1 COCs
Sampler: Michael K. Neal
For Lab Use Only
Walk-in Client
Lab Sampling
Job / SDG No: 500-234265

500-234265 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOCs	Sample Specific Notes
1	MW-1	5-23-23	8:15	G	GW	3			X	
2	MW-2	|	8:30	|	|	3			X	
3	MW-3	|	9:30	|	|	3			X	
4	MW-4	|	7:45	|	|	3			X	
5	MW-5	|	8:00	|	|	3			X	
6	MW-6	|	9:00	|	|	3			X	
7	Trip Blank	|	—	—	W	1			X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample
☒ Non Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☒ Disposal by Lab ☐ Archive for ______ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No
Cooler Temp (°C) Obs'd 3.8 Corr'd 2.7 Therm ID No 458

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	AET	5-23-23 15:30	FedEx		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by [signature]	Company	5/24/23 1030

500-234265 Waybi

ORIGIN ID:JOTA (708) 534-5200
MICHAEL NEAL
AMERICAN ENGINEERING TESTING INC.
1837 CTY HWY OO

CHIPPEWA FALLS, WI 54729
UNITED STATES US

SHIP DATE: 26MAY22
ACTWGT: 20.00 LB MAN
CAD: 033264/CAFE3512

TO **SAMPLE LOGIN**
TESTAMERICA LABS
2417 BOND ST

UNIVERSITY PARK IL 60484
(708) 534-6200 REF:
INV:
PO: DEPT:

RMA:

FedEx Express E

J211020121101uv

570C5/1BD6/6F4D

FedEx
TRK# 0221 **1893 4457 7710**

WED - 24 MAY 10:30A
PRIORITY OVERNIGHT

NX JOTA

60484
IL-US **ORD**

Part # 156297-435 RRDB2 EXP 11/23

#715970 05/23 583J3/28C3/FE2D

Login Sample Receipt Checklist

Client: American Engineering Testing Inc. Job Number: 500-234265-1

Login Number: 234265 **List Source: Eurofins Chicago**
List Number: 1
Creator: Berg, Nicole M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	2.7
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

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REVIEWED
By mneal at 11:18 am, Jul 21, 2023

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Michael Neal
American Engineering Testing Inc.
1837 Cty Hwy OO
Chippewa Falls, Wisconsin 54729

Generated 6/16/2023 1:33:04 PM

JOB DESCRIPTION

Laundrumat Property - P-0011071

JOB NUMBER

500-234956-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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6/16/2023 1:33:04 PM

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Client: American Engineering Testing Inc.
Project/Site: Laundrumat Property - P-0011071

Laboratory Job ID: 500-234956-1

Table of Contents

Case Narrative

Client: American Engineering Testing Inc.
Project/Site: Laundrumat Property - P-0011071

Job ID: 500-234956-1

Job ID: 500-234956-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-234956-1

Comments
No additional comments.

Receipt
The samples were received on 6/8/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.7º C.

GC/MS VOA
Method 8260D: The method blank for analytical batch 500-718619 contained Methylene Chloride above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method 3510C: Elevated reporting limits are provided for the following sample due to insufficient sample provided for preparation: GPW-12 (500-234956-4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: American Engineering Testing Inc.
Project/Site: Laundrumat Property - P-0011071

Job ID: 500-234956-1

Client Sample ID: GPW-8 Lab Sample ID: 500-234956-1

No Detections.

Client Sample ID: GPW-9 Lab Sample ID: 500-234956-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.0		1.0	0.41	ug/L	1		8260D	Total/NA
Tetrachloroethene	4.6		1.0	0.37	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.49	J	1.0	0.35	ug/L	1		8260D	Total/NA
Trichloroethene	8.1		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: GPW-10 Lab Sample ID: 500-234956-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.47	J	1.0	0.41	ug/L	1		8260D	Total/NA
Tetrachloroethene	7.2		1.0	0.37	ug/L	1		8260D	Total/NA
Trichloroethene	0.71		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: GPW-12 Lab Sample ID: 500-234956-4

No Detections.

Client Sample ID: Trip Blank Lab Sample ID: 500-234956-5

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: American Engineering Testing Inc. Job ID: 500-234956-1
Project/Site: Laundrumat Property - P-0011071

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8270D SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: American Engineering Testing Inc.
Project/Site: Laundrumat Property - P-0011071

Job ID: 500-234956-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-234956-1	GPW-8	Ground Water	06/06/23 10:05	06/08/23 09:50
500-234956-2	GPW-9	Ground Water	06/06/23 12:40	06/08/23 09:50
500-234956-3	GPW-10	Ground Water	06/06/23 14:30	06/08/23 09:50
500-234956-4	GPW-12	Ground Water	06/06/23 16:00	06/08/23 09:50
500-234956-5	Trip Blank	Water	06/06/23 00:00	06/08/23 09:50

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundrumat Property - P-0011071

Job ID: 500-234956-1

Client Sample ID: GPW-8

Date Collected: 06/06/23 10:05
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234956-1

Matrix: Ground Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 23:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 23:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 23:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 23:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 23:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 23:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 23:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 23:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 23:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 23:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 23:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 23:37	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 23:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 23:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 23:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 23:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 23:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 23:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 23:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 23:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 23:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 23:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 23:37	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 23:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 23:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 23:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 23:37	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 23:37	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 23:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 23:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 23:37	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			06/14/23 23:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 23:37	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 23:37	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/14/23 23:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 23:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 23:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 23:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 23:37	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			06/14/23 23:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 23:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 23:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 23:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 23:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 23:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/14/23 23:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 23:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 23:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 23:37	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234956-1
Project/Site: Laundrumat Property - P-0011071

Client Sample ID: GPW-8 Lab Sample ID: 500-234956-1

Date Collected: 06/06/23 10:05 **Matrix: Ground Water**
Date Received: 06/08/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 23:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 23:37	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 23:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 23:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 23:37	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 23:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 23:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 23:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/14/23 23:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 23:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 23:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*06/14/23 23:37*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*06/14/23 23:37*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*06/14/23 23:37*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*06/14/23 23:37*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.12		0.24	0.12	ug/L		06/12/23 14:42	06/13/23 22:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*38*		*15 - 110*	*06/12/23 14:42*	*06/13/23 22:25*	*1*

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234956-1
Project/Site: Laundrumat Property - P-0011071

Client Sample ID: GPW-9 Lab Sample ID: 500-234956-2

Date Collected: 06/06/23 12:40 **Matrix: Ground Water**
Date Received: 06/08/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/15/23 00:01	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/15/23 00:01	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/15/23 00:01	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/15/23 00:01	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/15/23 00:01	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/15/23 00:01	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/15/23 00:01	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/15/23 00:01	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/15/23 00:01	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/15/23 00:01	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/15/23 00:01	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/15/23 00:01	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/15/23 00:01	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/15/23 00:01	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/15/23 00:01	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/15/23 00:01	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/15/23 00:01	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/15/23 00:01	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/15/23 00:01	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/15/23 00:01	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/15/23 00:01	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/15/23 00:01	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/15/23 00:01	1
Benzene	<0.15		0.50	0.15	ug/L			06/15/23 00:01	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/15/23 00:01	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/15/23 00:01	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/15/23 00:01	1
Bromoform	<0.48		1.0	0.48	ug/L			06/15/23 00:01	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/15/23 00:01	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/15/23 00:01	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/15/23 00:01	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			06/15/23 00:01	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/15/23 00:01	1
Chloroform	<0.37		2.0	0.37	ug/L			06/15/23 00:01	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/15/23 00:01	1
cis-1,2-Dichloroethene	**2.0**		1.0	0.41	ug/L			06/15/23 00:01	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/15/23 00:01	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/15/23 00:01	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/15/23 00:01	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			06/15/23 00:01	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/15/23 00:01	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/15/23 00:01	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/15/23 00:01	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/15/23 00:01	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/15/23 00:01	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/15/23 00:01	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/15/23 00:01	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/15/23 00:01	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/15/23 00:01	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234956-1
Project/Site: Laundrumat Property - P-0011071

Client Sample ID: GPW-9 Lab Sample ID: 500-234956-2

Date Collected: 06/06/23 12:40 **Matrix: Ground Water**
Date Received: 06/08/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/15/23 00:01	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/15/23 00:01	1
Styrene	<0.39		1.0	0.39	ug/L			06/15/23 00:01	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/15/23 00:01	1
Tetrachloroethene	**4.6**		1.0	0.37	ug/L			06/15/23 00:01	1
Toluene	<0.15		0.50	0.15	ug/L			06/15/23 00:01	1
trans-1,2-Dichloroethene	**0.49**	**J**	1.0	0.35	ug/L			06/15/23 00:01	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/15/23 00:01	1
Trichloroethene	**8.1**		0.50	0.16	ug/L			06/15/23 00:01	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/15/23 00:01	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/15/23 00:01	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/15/23 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*06/15/23 00:01*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*06/15/23 00:01*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*06/15/23 00:01*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/15/23 00:01*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.12		0.24	0.12	ug/L		06/12/23 14:42	06/13/23 22:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*38*		*15 - 110*	*06/12/23 14:42*	*06/13/23 22:48*	*1*

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234956-1
Project/Site: Laundrumat Property - P-0011071

Client Sample ID: GPW-10 Lab Sample ID: 500-234956-3

Date Collected: 06/06/23 14:30 **Matrix: Ground Water**
Date Received: 06/08/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/15/23 00:25	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/15/23 00:25	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/15/23 00:25	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/15/23 00:25	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/15/23 00:25	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/15/23 00:25	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/15/23 00:25	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/15/23 00:25	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/15/23 00:25	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/15/23 00:25	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/15/23 00:25	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/15/23 00:25	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/15/23 00:25	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/15/23 00:25	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/15/23 00:25	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/15/23 00:25	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/15/23 00:25	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/15/23 00:25	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/15/23 00:25	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/15/23 00:25	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/15/23 00:25	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/15/23 00:25	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/15/23 00:25	1
Benzene	<0.15		0.50	0.15	ug/L			06/15/23 00:25	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/15/23 00:25	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/15/23 00:25	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/15/23 00:25	1
Bromoform	<0.48		1.0	0.48	ug/L			06/15/23 00:25	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/15/23 00:25	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/15/23 00:25	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/15/23 00:25	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			06/15/23 00:25	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/15/23 00:25	1
Chloroform	<0.37		2.0	0.37	ug/L			06/15/23 00:25	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/15/23 00:25	1
cis-1,2-Dichloroethene	**0.47**	**J**	1.0	0.41	ug/L			06/15/23 00:25	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/15/23 00:25	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/15/23 00:25	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/15/23 00:25	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			06/15/23 00:25	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/15/23 00:25	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/15/23 00:25	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/15/23 00:25	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/15/23 00:25	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/15/23 00:25	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/15/23 00:25	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/15/23 00:25	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/15/23 00:25	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/15/23 00:25	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234956-1
Project/Site: Laundrumat Property - P-0011071

Client Sample ID: GPW-10 Lab Sample ID: 500-234956-3

Date Collected: 06/06/23 14:30 **Matrix: Ground Water**
Date Received: 06/08/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/15/23 00:25	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/15/23 00:25	1
Styrene	<0.39		1.0	0.39	ug/L			06/15/23 00:25	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/15/23 00:25	1
Tetrachloroethene	**7.2**		1.0	0.37	ug/L			06/15/23 00:25	1
Toluene	<0.15		0.50	0.15	ug/L			06/15/23 00:25	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/15/23 00:25	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/15/23 00:25	1
Trichloroethene	**0.71**		0.50	0.16	ug/L			06/15/23 00:25	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/15/23 00:25	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/15/23 00:25	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/15/23 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*06/15/23 00:25*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*06/15/23 00:25*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*06/15/23 00:25*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*06/15/23 00:25*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.13		0.25	0.13	ug/L		06/12/23 14:42	06/13/23 23:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*41*		*15 - 110*	*06/12/23 14:42*	*06/13/23 23:11*	*1*

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234956-1
Project/Site: Laundrumat Property - P-0011071

Client Sample ID: GPW-12 Lab Sample ID: 500-234956-4

Date Collected: 06/06/23 16:00 **Matrix: Ground Water**
Date Received: 06/08/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/15/23 00:50	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/15/23 00:50	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/15/23 00:50	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/15/23 00:50	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/15/23 00:50	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/15/23 00:50	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/15/23 00:50	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/15/23 00:50	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/15/23 00:50	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/15/23 00:50	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/15/23 00:50	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/15/23 00:50	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/15/23 00:50	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/15/23 00:50	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/15/23 00:50	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/15/23 00:50	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/15/23 00:50	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/15/23 00:50	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/15/23 00:50	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/15/23 00:50	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/15/23 00:50	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/15/23 00:50	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/15/23 00:50	1
Benzene	<0.15		0.50	0.15	ug/L			06/15/23 00:50	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/15/23 00:50	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/15/23 00:50	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/15/23 00:50	1
Bromoform	<0.48		1.0	0.48	ug/L			06/15/23 00:50	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/15/23 00:50	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/15/23 00:50	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/15/23 00:50	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			06/15/23 00:50	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/15/23 00:50	1
Chloroform	<0.37		2.0	0.37	ug/L			06/15/23 00:50	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/15/23 00:50	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/15/23 00:50	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/15/23 00:50	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/15/23 00:50	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/15/23 00:50	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			06/15/23 00:50	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/15/23 00:50	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/15/23 00:50	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/15/23 00:50	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/15/23 00:50	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/15/23 00:50	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/15/23 00:50	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/15/23 00:50	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/15/23 00:50	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/15/23 00:50	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234956-1
Project/Site: Laundrumat Property - P-0011071

Client Sample ID: GPW-12 Lab Sample ID: 500-234956-4

Date Collected: 06/06/23 16:00 **Matrix: Ground Water**
Date Received: 06/08/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/15/23 00:50	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/15/23 00:50	1
Styrene	<0.39		1.0	0.39	ug/L			06/15/23 00:50	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/15/23 00:50	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/15/23 00:50	1
Toluene	<0.15		0.50	0.15	ug/L			06/15/23 00:50	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/15/23 00:50	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/15/23 00:50	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/15/23 00:50	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/15/23 00:50	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/15/23 00:50	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/15/23 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*06/15/23 00:50*	*1*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*06/15/23 00:50*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*06/15/23 00:50*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*06/15/23 00:50*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.14		0.28	0.14	ug/L		06/12/23 14:42	06/13/23 23:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*39*		*15 - 110*	*06/12/23 14:42*	*06/13/23 23:34*	*1*

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234956-1
Project/Site: Laundrumat Property - P-0011071

Client Sample ID: Trip Blank
Lab Sample ID: 500-234956-5
Date Collected: 06/06/23 00:00
Matrix: Water
Date Received: 06/08/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 23:12	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 23:12	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 23:12	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 23:12	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 23:12	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 23:12	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 23:12	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 23:12	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 23:12	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 23:12	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 23:12	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 23:12	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 23:12	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 23:12	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 23:12	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 23:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 23:12	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 23:12	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 23:12	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 23:12	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 23:12	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 23:12	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 23:12	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 23:12	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 23:12	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 23:12	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 23:12	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 23:12	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 23:12	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 23:12	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 23:12	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			06/14/23 23:12	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 23:12	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 23:12	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/14/23 23:12	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 23:12	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 23:12	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 23:12	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 23:12	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			06/14/23 23:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 23:12	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 23:12	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 23:12	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 23:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 23:12	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/14/23 23:12	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 23:12	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 23:12	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 23:12	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-234956-1
Project/Site: Laundrumat Property - P-0011071

Client Sample ID: Trip Blank
Lab Sample ID: 500-234956-5
Date Collected: 06/06/23 00:00
Matrix: Water
Date Received: 06/08/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 23:12	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 23:12	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 23:12	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 23:12	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 23:12	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 23:12	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 23:12	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 23:12	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/14/23 23:12	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 23:12	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 23:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*06/14/23 23:12*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*06/14/23 23:12*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*06/14/23 23:12*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/14/23 23:12*	*1*

Definitions/Glossary

Client: American Engineering Testing Inc. Job ID: 500-234956-1
Project/Site: Laundrumat Property - P-0011071

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: American Engineering Testing Inc. Job ID: 500-234956-1
Project/Site: Laundrumat Property - P-0011071

GC/MS VOA

Analysis Batch: 718619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234956-1	GPW-8	Total/NA	Ground Water	8260D	
500-234956-2	GPW-9	Total/NA	Ground Water	8260D	
500-234956-3	GPW-10	Total/NA	Ground Water	8260D	
500-234956-4	GPW-12	Total/NA	Ground Water	8260D	
500-234956-5	Trip Blank	Total/NA	Water	8260D	
MB 500-718619/6	Method Blank	Total/NA	Water	8260D	
LCS 500-718619/4	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 672786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234956-1	GPW-8	Total/NA	Ground Water	3510C	
500-234956-2	GPW-9	Total/NA	Ground Water	3510C	
500-234956-3	GPW-10	Total/NA	Ground Water	3510C	
500-234956-4	GPW-12	Total/NA	Ground Water	3510C	
MB 480-672786/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-672786/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 672885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234956-1	GPW-8	Total/NA	Ground Water	8270D SIM ID	672786
500-234956-2	GPW-9	Total/NA	Ground Water	8270D SIM ID	672786
500-234956-3	GPW-10	Total/NA	Ground Water	8270D SIM ID	672786
500-234956-4	GPW-12	Total/NA	Ground Water	8270D SIM ID	672786
MB 480-672786/1-A	Method Blank	Total/NA	Water	8270D SIM ID	672786
LCS 480-672786/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	672786

Surrogate Summary

Client: American Engineering Testing Inc.
Project/Site: Laundrumat Property - P-0011071

Job ID: 500-234956-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-234956-1	GPW-8	98	102	98	92
500-234956-2	GPW-9	95	102	97	94
500-234956-3	GPW-10	94	101	98	92
500-234956-4	GPW-12	96	104	97	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-234956-5	Trip Blank	95	102	96	93
LCS 500-718619/4	Lab Control Sample	92	100	98	94
MB 500-718619/6	Method Blank	95	101	97	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundrumat Property - P-0011071

Job ID: 500-234956-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-718619/6
Matrix: Water
Analysis Batch: 718619

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 22:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 22:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 22:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 22:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 22:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 22:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 22:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 22:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 22:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 22:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 22:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 22:48	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 22:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 22:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 22:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 22:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 22:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 22:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 22:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 22:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 22:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 22:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 22:48	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 22:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 22:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 22:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 22:48	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 22:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 22:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 22:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 22:48	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			06/14/23 22:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 22:48	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 22:48	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/14/23 22:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 22:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 22:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 22:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 22:48	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			06/14/23 22:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 22:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 22:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 22:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 22:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 22:48	1
Methylene Chloride	2.20	J	5.0	1.6	ug/L			06/14/23 22:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 22:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 22:48	1

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundrumat Property - P-0011071

Job ID: 500-234956-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-718619/6
Matrix: Water
Analysis Batch: 718619

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 22:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 22:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 22:48	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 22:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 22:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 22:48	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 22:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 22:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 22:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/14/23 22:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 22:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 22:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 22:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*06/14/23 22:48*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*06/14/23 22:48*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*06/14/23 22:48*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/14/23 22:48*	*1*

Lab Sample ID: LCS 500-718619/4
Matrix: Water
Analysis Batch: 718619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	42.6		ug/L		85	70 - 125
1,1,1-Trichloroethane	50.0	47.5		ug/L		95	70 - 125
1,1,2,2-Tetrachloroethane	50.0	41.7		ug/L		83	62 - 140
1,1,2-Trichloroethane	50.0	41.3		ug/L		83	71 - 130
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 125
1,1-Dichloroethene	50.0	47.9		ug/L		96	67 - 122
1,1-Dichloropropene	50.0	49.8		ug/L		100	70 - 121
1,2,3-Trichlorobenzene	50.0	39.0		ug/L		78	51 - 145
1,2,3-Trichloropropane	50.0	43.3		ug/L		87	50 - 133
1,2,4-Trichlorobenzene	50.0	41.6		ug/L		83	57 - 137
1,2,4-Trimethylbenzene	50.0	46.8		ug/L		94	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	34.1		ug/L		68	56 - 123
1,2-Dibromoethane (EDB)	50.0	43.8		ug/L		88	70 - 125
1,2-Dichlorobenzene	50.0	43.3		ug/L		87	70 - 125
1,2-Dichloroethane	50.0	43.6		ug/L		87	68 - 127
1,2-Dichloropropane	50.0	48.4		ug/L		97	67 - 130
1,3,5-Trimethylbenzene	50.0	47.8		ug/L		96	70 - 123
1,3-Dichlorobenzene	50.0	45.1		ug/L		90	70 - 125
1,3-Dichloropropane	50.0	45.6		ug/L		91	62 - 136
1,4-Dichlorobenzene	50.0	43.5		ug/L		87	70 - 120
2,2-Dichloropropane	50.0	48.9		ug/L		98	58 - 139
2-Chlorotoluene	50.0	46.1		ug/L		92	70 - 125
4-Chlorotoluene	50.0	45.7		ug/L		91	68 - 124

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundrumat Property - P-0011071

Job ID: 500-234956-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-718619/4
Matrix: Water
Analysis Batch: 718619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	47.7		ug/L		95	70 - 120
Bromobenzene	50.0	45.7		ug/L		91	70 - 122
Bromochloromethane	50.0	43.5		ug/L		87	65 - 122
Bromodichloromethane	50.0	41.7		ug/L		83	69 - 120
Bromoform	50.0	36.3		ug/L		73	56 - 132
Bromomethane	50.0	49.2		ug/L		98	40 - 152
Carbon tetrachloride	50.0	46.0		ug/L		92	59 - 133
Chlorobenzene	50.0	46.7		ug/L		93	70 - 120
Chlorodibromomethane	50.0	37.3		ug/L		75	68 - 125
Chloroethane	50.0	55.5		ug/L		111	48 - 136
Chloroform	50.0	46.3		ug/L		93	70 - 120
Chloromethane	50.0	50.4		ug/L		101	56 - 152
cis-1,2-Dichloroethene	50.0	46.8		ug/L		94	70 - 125
cis-1,3-Dichloropropene	50.0	42.8		ug/L		86	64 - 127
Dibromomethane	50.0	42.1		ug/L		84	70 - 120
Dichlorodifluoromethane	50.0	50.9		ug/L		102	40 - 159
Dichlorofluoromethane	50.0	53.2		ug/L		106	69 - 124
Ethylbenzene	50.0	45.8		ug/L		92	70 - 123
Hexachlorobutadiene	50.0	49.5		ug/L		99	51 - 150
Isopropylbenzene	50.0	48.1		ug/L		96	70 - 126
Methyl tert-butyl ether	50.0	48.9		ug/L		98	55 - 123
Methylene Chloride	50.0	47.6		ug/L		95	69 - 125
Naphthalene	50.0	34.2		ug/L		68	53 - 144
n-Butylbenzene	50.0	45.7		ug/L		91	68 - 125
N-Propylbenzene	50.0	46.2		ug/L		92	69 - 127
p-Isopropyltoluene	50.0	46.6		ug/L		93	70 - 125
sec-Butylbenzene	50.0	48.0		ug/L		96	70 - 123
Styrene	50.0	46.4		ug/L		93	70 - 120
tert-Butylbenzene	50.0	46.9		ug/L		94	70 - 121
Tetrachloroethene	50.0	49.7		ug/L		99	70 - 128
Toluene	50.0	42.7		ug/L		85	70 - 125
trans-1,2-Dichloroethene	50.0	47.1		ug/L		94	70 - 125
trans-1,3-Dichloropropene	50.0	40.8		ug/L		82	62 - 128
Trichloroethene	50.0	46.8		ug/L		94	70 - 125
Trichlorofluoromethane	50.0	50.7		ug/L		101	55 - 128
Vinyl chloride	50.0	56.2		ug/L		112	64 - 126
Xylenes, Total	100	91.7		ug/L		92	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 120*
Toluene-d8 (Surr)	*94*		*75 - 120*

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundrumat Property - P-0011071

Job ID: 500-234956-1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-672786/1-A
Matrix: Water
Analysis Batch: 672885

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672786

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.10		0.20	0.10	ug/L		06/12/23 14:42	06/13/23 15:37	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*15 - 110*	*06/12/23 14:42*	*06/13/23 15:37*	*1*

Lab Sample ID: LCS 480-672786/2-A
Matrix: Water
Analysis Batch: 672885

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672786

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			2.00	2.25		ug/L		113	40 - 140		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*30*		*15 - 110*

Lab Chronicle

Client: American Engineering Testing Inc.
Project/Site: Laundrumat Property - P-0011071

Job ID: 500-234956-1

Client Sample ID: GPW-8
Date Collected: 06/06/23 10:05
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234956-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	718619	EA	EET CHI	06/14/23 23:37
Total/NA	Prep	3510C			672786	LSC	EET BUF	06/12/23 14:42
Total/NA	Analysis	8270D SIM ID		1	672885	EMD	EET BUF	06/13/23 22:25

Client Sample ID: GPW-9
Date Collected: 06/06/23 12:40
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234956-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	718619	EA	EET CHI	06/15/23 00:01
Total/NA	Prep	3510C			672786	LSC	EET BUF	06/12/23 14:42
Total/NA	Analysis	8270D SIM ID		1	672885	EMD	EET BUF	06/13/23 22:48

Client Sample ID: GPW-10
Date Collected: 06/06/23 14:30
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234956-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	718619	EA	EET CHI	06/15/23 00:25
Total/NA	Prep	3510C			672786	LSC	EET BUF	06/12/23 14:42
Total/NA	Analysis	8270D SIM ID		1	672885	EMD	EET BUF	06/13/23 23:11

Client Sample ID: GPW-12
Date Collected: 06/06/23 16:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234956-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	718619	EA	EET CHI	06/15/23 00:50
Total/NA	Prep	3510C			672786	LSC	EET BUF	06/12/23 14:42
Total/NA	Analysis	8270D SIM ID		1	672885	EMD	EET BUF	06/13/23 23:34

Client Sample ID: Trip Blank
Date Collected: 06/06/23 00:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234956-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	718619	EA	EET CHI	06/14/23 23:12

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: American Engineering Testing Inc. Job ID: 500-234956-1
Project/Site: Laundrumat Property - P-0011071

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Laboratory: Eurofins Buffalo

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0686	07-06-22 *
Connecticut	State	PH-0568	03-31-24
Florida	NELAP	E87672	06-30-23
Georgia	State	10026 (NY)	03-31-24
Georgia	State Program	N/A	03-31-09 *
Georgia (DW)	State	956	03-31-23 *
Illinois	NELAP	200003	09-30-23
Iowa	State	374	03-01-23 *
Iowa	State Program	374	03-01-09 *
Kansas	NELAP	E-10187	02-01-24
Kentucky (DW)	State	90029	01-01-24
Kentucky (UST)	State	30	04-01-23 *
Kentucky (WW)	State	KY90029	12-31-23
Louisiana	NELAP	02031	06-30-23
Louisiana (All)	NELAP	02031	06-30-23
Maine	State	NY00044	12-04-24
Maryland	State	294	03-31-23 *
Massachusetts	State	M-NY044	06-30-23
Michigan	State	9937	03-31-23 *
Michigan	State Program	9937	04-01-09 *
New Hampshire	NELAP	2973	09-11-19 *
New Hampshire	NELAP	2337	11-17-23
New Jersey	NELAP	NY455	06-30-23
New York	NELAP	10026	03-31-24
Pennsylvania	NELAP	68-00281	07-31-23
Rhode Island	State	LAO00328	12-30-23
Texas	NELAP	T104704412-18-10	07-31-23
USDA	US Federal Programs	P330-18-00039	03-25-24
Virginia	NELAP	460185	09-14-23
Washington	State	C784	02-10-23 *
Wisconsin	State	998310390	08-31-23

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain of Custody Record

523109

eurofins Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: M. Neal	Site Contact	Date: 6-6-23	COC No
Company Name: AET	Tel/Email: mneal@tarmat.com	Lab Contact: Sandie F	Carrier	1 of 1 COCs
Address	Analysis Turnaround Time			Sampler: Michael K. Neal
City/State/Zip: CF, WI 54729	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only
Phone: 715 861 5045	TAT if different from Below _____			Walk-in Client
Fax	☒ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling
Project Name: Laundromat Property				Job / SDG No: 500-134951
Site: Menomonie, WI				
PO #: 18174528				

AET # P-0011071

500-234956 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	1,4-D8270SIM	Sample Specific Notes
1	GPW-8	6-6-23	10:05	G	GW	5	N	N	X	X	
2	GPW-9		12:40	G	GW	5	N	N	X	X	
3	GPW-10		14:30	G	GW	5	N	N	X	X	
	~~GPW-11~~										No Sample
4	GPW-12		16:00	G	GW	5	N	N	X	X	
	~~GPW-13~~										No Sample
5	Trip Blank		—	—	W	1	N	N	X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ 2

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

2.8+1.7

Custody Seals Intact	☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd _____ Corr'd _____	Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Michael Neal	AET	6-7-23 15:00	FedEx		
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			Stephanie Hernandez	EEIA	6/8/23 0950

ORIGIN ID:JOTA (708) 534-5200
MICHAEL NEAL
AMERICAN ENGINEERING TESTING INC.
1837 CTY HWY OO

CHIPPEWA FALLS, WI 54729
UNITED STATES US

SHIP DATE: 26MAY22
ACTWGT: 20.00 LB MAN
CAD: 033264/CAFE3512

TO SAMPLE LOGIN
TESTAMERICA LABS
2417 BOND ST

UNIVERSITY PARK IL 60484
(708) 534-5200 REF:
INV:
PO: DEPT:

RMA:

FedEx Express

FedEx
TRK# 0221 1893 4457 7720

THU - 08 JUN 10:30A
PRIORITY OVERNIGHT

NX JOTA

60484
IL-US ORD

500-234956 Waybi

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-174702.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Wisconsin	Page: Page 1 of 1
Company: Eurofins Environment Testing Northeast,		Accreditations Required (See note): State Program - Wisconsin		Job #: 500-234956-1
Address: 10 Hazelwood Drive, ,	Due Date Requested: 6/21/2023			
City: Amherst	TAT Requested (days):			
State, Zip: NY, 14228-2298				
Phone: 716-691-2600(Tel) 716-691-7991(Fax)	PO #:			
Email:	WO #:			
Project Name: Laundrumat Property - P-0011071	Project #: 50007204			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D_SIM_MS_ID/3510C_LVI 1,4-D	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
GPW-8 (500-234956-1)	6/6/23	10:05 Central		Water			X	2	
GPW-9 (500-234956-2)	6/6/23	12:40 Central		Water			X	2	
GPW-10 (500-234956-3)	6/6/23	14:30 Central		Water			X	2	
GPW-12 (500-234956-4)	6/6/23	16:00 Central		Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Stephanie Hernandez	4/8/23 1600	EETA		6-9-23 1000	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		2.8 ICE

AET Project No. P-0011071

Page 29 of 32

6/16/2023

Page D 61 of 156

Login Sample Receipt Checklist

Client: American Engineering Testing Inc. Job Number: 500-234956-1

Login Number: 234956 **List Source: Eurofins Chicago**
List Number: 1
Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: American Engineering Testing Inc. Job Number: 500-234956-1

Login Number: 234956 **List Source: Eurofins Buffalo**
List Number: 2 **List Creation: 06/09/23 03:01 PM**
Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8 ICE #1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

Isotope Dilution Summary

Client: American Engineering Testing Inc. Job ID: 500-234956-1
Project/Site: Laundrumat Property - P-0011071

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)
		DXE
Lab Sample ID	Client Sample ID	(15-110)
500-234956-1	GPW-8	38
500-234956-2	GPW-9	38
500-234956-3	GPW-10	41
500-234956-4	GPW-12	39

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)
		DXE
Lab Sample ID	Client Sample ID	(15-110)
LCS 480-672786/2-A	Lab Control Sample	30
MB 480-672786/1-A	Method Blank	34

Surrogate Legend

DXE = 1,4-Dioxane-d8

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REVIEWED
By mneal at 7:15 am, Dec 05, 2023

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Michael Neal
American Engineering Testing Inc.
1837 Cty Hwy OO
Chippewa Falls, Wisconsin 54729

Generated 11/2/2023 8:35:32 AM

JOB DESCRIPTION

Laundromat Property - P-0011071

JOB NUMBER

500-241480-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

myEOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

Generated
11/2/2023 8:35:32 AM

Authorized for release by
Jodie Bracken, Project Management Assistant II
Jodie.Bracken@ET.EurofinsUS.com
Designee for
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Laboratory Job ID: 500-241480-1

Table of Contents

Case Narrative

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-241480-1

Job ID: 500-241480-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-241480-1

Receipt
The samples were received on 10/24/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.2º C.

GC/MS VOA
Method 8260D: The method requirement for no headspace was not met. The following volatile samples were analyzed with headspace in the sample container(s): GPW-14 (500-241480-1) and Trip Blank (500-241480-5).

Method 8260D: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: GPW-14 (500-241480-1).

Method 8260D: The laboratory control sample (LCS) for analytical batch 500-739474 recovered outside control limits for the following analytes: Trichloroethene and Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-241480-1

Client Sample ID: GPW-14 — Lab Sample ID: 500-241480-1

No Detections.

Client Sample ID: GPW-15 — Lab Sample ID: 500-241480-2

No Detections.

Client Sample ID: GPW-16 — Lab Sample ID: 500-241480-3

No Detections.

Client Sample ID: GPW-17 — Lab Sample ID: 500-241480-4

No Detections.

Client Sample ID: Trip Blank — Lab Sample ID: 500-241480-5

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: American Engineering Testing Inc. Job ID: 500-241480-1
Project/Site: Laundromat Property - P-0011071

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-241480-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-241480-1	GPW-14	Water	10/19/23 12:20	10/24/23 09:50
500-241480-2	GPW-15	Water	10/19/23 16:00	10/24/23 09:50
500-241480-3	GPW-16	Water	10/19/23 13:45	10/24/23 09:50
500-241480-4	GPW-17	Water	10/19/23 15:40	10/24/23 09:50
500-241480-5	Trip Blank	Water	10/19/23 00:00	10/24/23 09:50

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-241480-1

Client Sample ID: GPW-14

Date Collected: 10/19/23 12:20
Date Received: 10/24/23 09:50

Lab Sample ID: 500-241480-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/30/23 17:55	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/30/23 17:55	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/30/23 17:55	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/30/23 17:55	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/30/23 17:55	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/30/23 17:55	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/30/23 17:55	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/30/23 17:55	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/30/23 17:55	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/30/23 17:55	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/30/23 17:55	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/30/23 17:55	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			10/30/23 17:55	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/30/23 17:55	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/30/23 17:55	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/30/23 17:55	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/30/23 17:55	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/30/23 17:55	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/30/23 17:55	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/30/23 17:55	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			10/30/23 17:55	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/30/23 17:55	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/30/23 17:55	1
Benzene	<0.15		0.50	0.15	ug/L			10/30/23 17:55	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/30/23 17:55	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/30/23 17:55	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/30/23 17:55	1
Bromoform	<0.48		1.0	0.48	ug/L			10/30/23 17:55	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/30/23 17:55	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/30/23 17:55	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/30/23 17:55	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			10/30/23 17:55	1
Chloroethane	<0.51		5.0	0.51	ug/L			10/30/23 17:55	1
Chloroform	<0.37		2.0	0.37	ug/L			10/30/23 17:55	1
Chloromethane	<0.32		5.0	0.32	ug/L			10/30/23 17:55	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/30/23 17:55	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/30/23 17:55	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/30/23 17:55	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/30/23 17:55	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			10/30/23 17:55	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/30/23 17:55	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/30/23 17:55	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/30/23 17:55	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/30/23 17:55	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/30/23 17:55	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/30/23 17:55	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/30/23 17:55	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/30/23 17:55	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/30/23 17:55	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-241480-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: GPW-14 Lab Sample ID: 500-241480-1

Date Collected: 10/19/23 12:20 **Matrix: Water**
Date Received: 10/24/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/30/23 17:55	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/30/23 17:55	1
Styrene	<0.39		1.0	0.39	ug/L			10/30/23 17:55	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/30/23 17:55	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/30/23 17:55	1
Toluene	<0.15		0.50	0.15	ug/L			10/30/23 17:55	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/30/23 17:55	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/30/23 17:55	1
Trichloroethene	<0.16	*+	0.50	0.16	ug/L			10/30/23 17:55	1
Trichlorofluoromethane	<0.43	*+	1.0	0.43	ug/L			10/30/23 17:55	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/30/23 17:55	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/30/23 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*10/30/23 17:55*	*1*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*		*10/30/23 17:55*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 120*		*10/30/23 17:55*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*10/30/23 17:55*	*1*

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-241480-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: GPW-15 Lab Sample ID: 500-241480-2

Date Collected: 10/19/23 16:00 **Matrix: Water**
Date Received: 10/24/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/30/23 18:18	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/30/23 18:18	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/30/23 18:18	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/30/23 18:18	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/30/23 18:18	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/30/23 18:18	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/30/23 18:18	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/30/23 18:18	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/30/23 18:18	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/30/23 18:18	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/30/23 18:18	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/30/23 18:18	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			10/30/23 18:18	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/30/23 18:18	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/30/23 18:18	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/30/23 18:18	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/30/23 18:18	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/30/23 18:18	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/30/23 18:18	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/30/23 18:18	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			10/30/23 18:18	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/30/23 18:18	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/30/23 18:18	1
Benzene	<0.15		0.50	0.15	ug/L			10/30/23 18:18	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/30/23 18:18	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/30/23 18:18	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/30/23 18:18	1
Bromoform	<0.48		1.0	0.48	ug/L			10/30/23 18:18	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/30/23 18:18	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/30/23 18:18	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/30/23 18:18	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			10/30/23 18:18	1
Chloroethane	<0.51		5.0	0.51	ug/L			10/30/23 18:18	1
Chloroform	<0.37		2.0	0.37	ug/L			10/30/23 18:18	1
Chloromethane	<0.32		5.0	0.32	ug/L			10/30/23 18:18	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/30/23 18:18	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/30/23 18:18	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/30/23 18:18	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/30/23 18:18	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			10/30/23 18:18	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/30/23 18:18	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/30/23 18:18	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/30/23 18:18	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/30/23 18:18	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/30/23 18:18	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/30/23 18:18	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/30/23 18:18	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/30/23 18:18	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/30/23 18:18	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-241480-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: GPW-15 Lab Sample ID: 500-241480-2

Date Collected: 10/19/23 16:00 **Matrix: Water**
Date Received: 10/24/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/30/23 18:18	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/30/23 18:18	1
Styrene	<0.39		1.0	0.39	ug/L			10/30/23 18:18	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/30/23 18:18	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/30/23 18:18	1
Toluene	<0.15		0.50	0.15	ug/L			10/30/23 18:18	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/30/23 18:18	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/30/23 18:18	1
Trichloroethene	<0.16	*+	0.50	0.16	ug/L			10/30/23 18:18	1
Trichlorofluoromethane	<0.43	*+	1.0	0.43	ug/L			10/30/23 18:18	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/30/23 18:18	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/30/23 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*10/30/23 18:18*	*1*
4-Bromofluorobenzene (Surr)	*80*		*72 - 124*		*10/30/23 18:18*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 120*		*10/30/23 18:18*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*10/30/23 18:18*	*1*

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-241480-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: GPW-16 Lab Sample ID: 500-241480-3

Date Collected: 10/19/23 13:45 **Matrix: Water**
Date Received: 10/24/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/30/23 18:41	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/30/23 18:41	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/30/23 18:41	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/30/23 18:41	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/30/23 18:41	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/30/23 18:41	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/30/23 18:41	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/30/23 18:41	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/30/23 18:41	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/30/23 18:41	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/30/23 18:41	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/30/23 18:41	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			10/30/23 18:41	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/30/23 18:41	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/30/23 18:41	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/30/23 18:41	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/30/23 18:41	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/30/23 18:41	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/30/23 18:41	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/30/23 18:41	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			10/30/23 18:41	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/30/23 18:41	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/30/23 18:41	1
Benzene	<0.15		0.50	0.15	ug/L			10/30/23 18:41	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/30/23 18:41	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/30/23 18:41	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/30/23 18:41	1
Bromoform	<0.48		1.0	0.48	ug/L			10/30/23 18:41	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/30/23 18:41	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/30/23 18:41	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/30/23 18:41	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			10/30/23 18:41	1
Chloroethane	<0.51		5.0	0.51	ug/L			10/30/23 18:41	1
Chloroform	<0.37		2.0	0.37	ug/L			10/30/23 18:41	1
Chloromethane	<0.32		5.0	0.32	ug/L			10/30/23 18:41	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/30/23 18:41	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/30/23 18:41	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/30/23 18:41	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/30/23 18:41	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			10/30/23 18:41	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/30/23 18:41	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/30/23 18:41	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/30/23 18:41	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/30/23 18:41	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/30/23 18:41	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/30/23 18:41	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/30/23 18:41	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/30/23 18:41	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/30/23 18:41	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-241480-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: GPW-16 Lab Sample ID: 500-241480-3

Date Collected: 10/19/23 13:45 **Matrix: Water**
Date Received: 10/24/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/30/23 18:41	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/30/23 18:41	1
Styrene	<0.39		1.0	0.39	ug/L			10/30/23 18:41	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/30/23 18:41	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/30/23 18:41	1
Toluene	<0.15		0.50	0.15	ug/L			10/30/23 18:41	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/30/23 18:41	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/30/23 18:41	1
Trichloroethene	<0.16	*+	0.50	0.16	ug/L			10/30/23 18:41	1
Trichlorofluoromethane	<0.43	*+	1.0	0.43	ug/L			10/30/23 18:41	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/30/23 18:41	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/30/23 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*		*10/30/23 18:41*	*1*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*		*10/30/23 18:41*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 120*		*10/30/23 18:41*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*10/30/23 18:41*	*1*

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-241480-1

Client Sample ID: GPW-17

Date Collected: 10/19/23 15:40
Date Received: 10/24/23 09:50

Lab Sample ID: 500-241480-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/30/23 19:05	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/30/23 19:05	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/30/23 19:05	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/30/23 19:05	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/30/23 19:05	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/30/23 19:05	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/30/23 19:05	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/30/23 19:05	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/30/23 19:05	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/30/23 19:05	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/30/23 19:05	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/30/23 19:05	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			10/30/23 19:05	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/30/23 19:05	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/30/23 19:05	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/30/23 19:05	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/30/23 19:05	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/30/23 19:05	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/30/23 19:05	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/30/23 19:05	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			10/30/23 19:05	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/30/23 19:05	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/30/23 19:05	1
Benzene	<0.15		0.50	0.15	ug/L			10/30/23 19:05	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/30/23 19:05	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/30/23 19:05	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/30/23 19:05	1
Bromoform	<0.48		1.0	0.48	ug/L			10/30/23 19:05	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/30/23 19:05	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/30/23 19:05	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/30/23 19:05	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			10/30/23 19:05	1
Chloroethane	<0.51		5.0	0.51	ug/L			10/30/23 19:05	1
Chloroform	<0.37		2.0	0.37	ug/L			10/30/23 19:05	1
Chloromethane	<0.32		5.0	0.32	ug/L			10/30/23 19:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/30/23 19:05	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/30/23 19:05	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/30/23 19:05	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/30/23 19:05	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			10/30/23 19:05	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/30/23 19:05	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/30/23 19:05	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/30/23 19:05	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/30/23 19:05	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/30/23 19:05	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/30/23 19:05	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/30/23 19:05	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/30/23 19:05	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/30/23 19:05	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-241480-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: GPW-17 Lab Sample ID: 500-241480-4

Date Collected: 10/19/23 15:40 **Matrix: Water**
Date Received: 10/24/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/30/23 19:05	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/30/23 19:05	1
Styrene	<0.39		1.0	0.39	ug/L			10/30/23 19:05	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/30/23 19:05	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/30/23 19:05	1
Toluene	<0.15		0.50	0.15	ug/L			10/30/23 19:05	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/30/23 19:05	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/30/23 19:05	1
Trichloroethene	<0.16	*+	0.50	0.16	ug/L			10/30/23 19:05	1
Trichlorofluoromethane	<0.43	*+	1.0	0.43	ug/L			10/30/23 19:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/30/23 19:05	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/30/23 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*10/30/23 19:05*	*1*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*		*10/30/23 19:05*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 120*		*10/30/23 19:05*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*10/30/23 19:05*	*1*

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-241480-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: Trip Blank
Lab Sample ID: 500-241480-5
Date Collected: 10/19/23 00:00
Matrix: Water
Date Received: 10/24/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/30/23 17:32	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/30/23 17:32	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/30/23 17:32	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/30/23 17:32	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/30/23 17:32	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/30/23 17:32	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/30/23 17:32	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/30/23 17:32	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/30/23 17:32	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/30/23 17:32	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/30/23 17:32	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/30/23 17:32	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			10/30/23 17:32	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/30/23 17:32	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/30/23 17:32	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/30/23 17:32	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/30/23 17:32	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/30/23 17:32	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/30/23 17:32	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/30/23 17:32	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			10/30/23 17:32	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/30/23 17:32	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/30/23 17:32	1
Benzene	<0.15		0.50	0.15	ug/L			10/30/23 17:32	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/30/23 17:32	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/30/23 17:32	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/30/23 17:32	1
Bromoform	<0.48		1.0	0.48	ug/L			10/30/23 17:32	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/30/23 17:32	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/30/23 17:32	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/30/23 17:32	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			10/30/23 17:32	1
Chloroethane	<0.51		5.0	0.51	ug/L			10/30/23 17:32	1
Chloroform	<0.37		2.0	0.37	ug/L			10/30/23 17:32	1
Chloromethane	<0.32		5.0	0.32	ug/L			10/30/23 17:32	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/30/23 17:32	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/30/23 17:32	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/30/23 17:32	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/30/23 17:32	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			10/30/23 17:32	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/30/23 17:32	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/30/23 17:32	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/30/23 17:32	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/30/23 17:32	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/30/23 17:32	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/30/23 17:32	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/30/23 17:32	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/30/23 17:32	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/30/23 17:32	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-241480-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: Trip Blank
Lab Sample ID: 500-241480-5
Date Collected: 10/19/23 00:00
Matrix: Water
Date Received: 10/24/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/30/23 17:32	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/30/23 17:32	1
Styrene	<0.39		1.0	0.39	ug/L			10/30/23 17:32	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/30/23 17:32	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/30/23 17:32	1
Toluene	<0.15		0.50	0.15	ug/L			10/30/23 17:32	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/30/23 17:32	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/30/23 17:32	1
Trichloroethene	<0.16	*+	0.50	0.16	ug/L			10/30/23 17:32	1
Trichlorofluoromethane	<0.43	*+	1.0	0.43	ug/L			10/30/23 17:32	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/30/23 17:32	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/30/23 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*		*10/30/23 17:32*	*1*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*		*10/30/23 17:32*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 120*		*10/30/23 17:32*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*10/30/23 17:32*	*1*

Definitions/Glossary

Client: American Engineering Testing Inc. Job ID: 500-241480-1
Project/Site: Laundromat Property - P-0011071

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: American Engineering Testing Inc. Job ID: 500-241480-1
Project/Site: Laundromat Property - P-0011071

GC/MS VOA

Analysis Batch: 739474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-241480-1	GPW-14	Total/NA	Water	8260D	
500-241480-2	GPW-15	Total/NA	Water	8260D	
500-241480-3	GPW-16	Total/NA	Water	8260D	
500-241480-4	GPW-17	Total/NA	Water	8260D	
500-241480-5	Trip Blank	Total/NA	Water	8260D	
MB 500-739474/7	Method Blank	Total/NA	Water	8260D	
LCS 500-739474/4	Lab Control Sample	Total/NA	Water	8260D	

Surrogate Summary

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-241480-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-241480-1	GPW-14	106	82	113	92
500-241480-2	GPW-15	111	80	114	92
500-241480-3	GPW-16	109	81	114	91
500-241480-4	GPW-17	110	81	113	91
500-241480-5	Trip Blank	112	82	112	91
LCS 500-739474/4	Lab Control Sample	100	78	104	93
MB 500-739474/7	Method Blank	108	80	115	88

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-241480-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-739474/7
Matrix: Water
Analysis Batch: 739474

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/30/23 11:29	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/30/23 11:29	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/30/23 11:29	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/30/23 11:29	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/30/23 11:29	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/30/23 11:29	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/30/23 11:29	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/30/23 11:29	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/30/23 11:29	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/30/23 11:29	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/30/23 11:29	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/30/23 11:29	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			10/30/23 11:29	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/30/23 11:29	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/30/23 11:29	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/30/23 11:29	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/30/23 11:29	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/30/23 11:29	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/30/23 11:29	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/30/23 11:29	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			10/30/23 11:29	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/30/23 11:29	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/30/23 11:29	1
Benzene	<0.15		0.50	0.15	ug/L			10/30/23 11:29	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/30/23 11:29	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/30/23 11:29	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/30/23 11:29	1
Bromoform	<0.48		1.0	0.48	ug/L			10/30/23 11:29	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/30/23 11:29	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/30/23 11:29	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/30/23 11:29	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			10/30/23 11:29	1
Chloroethane	<0.51		5.0	0.51	ug/L			10/30/23 11:29	1
Chloroform	<0.37		2.0	0.37	ug/L			10/30/23 11:29	1
Chloromethane	<0.32		5.0	0.32	ug/L			10/30/23 11:29	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/30/23 11:29	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/30/23 11:29	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/30/23 11:29	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/30/23 11:29	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			10/30/23 11:29	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/30/23 11:29	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/30/23 11:29	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/30/23 11:29	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/30/23 11:29	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/30/23 11:29	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/30/23 11:29	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/30/23 11:29	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/30/23 11:29	1

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-241480-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-739474/7
Matrix: Water
Analysis Batch: 739474

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/30/23 11:29	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/30/23 11:29	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/30/23 11:29	1
Styrene	<0.39		1.0	0.39	ug/L			10/30/23 11:29	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/30/23 11:29	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/30/23 11:29	1
Toluene	<0.15		0.50	0.15	ug/L			10/30/23 11:29	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/30/23 11:29	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/30/23 11:29	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/30/23 11:29	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/30/23 11:29	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/30/23 11:29	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/30/23 11:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*10/30/23 11:29*	*1*
4-Bromofluorobenzene (Surr)	*80*		*72 - 124*		*10/30/23 11:29*	*1*
Dibromofluoromethane (Surr)	*115*		*75 - 120*		*10/30/23 11:29*	*1*
Toluene-d8 (Surr)	*88*		*75 - 120*		*10/30/23 11:29*	*1*

Lab Sample ID: LCS 500-739474/4
Matrix: Water
Analysis Batch: 739474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	62.5		ug/L		125	70 - 125
1,1,1-Trichloroethane	50.0	59.6		ug/L		119	70 - 125
1,1,2,2-Tetrachloroethane	50.0	42.2		ug/L		84	62 - 140
1,1,2-Trichloroethane	50.0	50.7		ug/L		101	71 - 130
1,1-Dichloroethane	50.0	57.3		ug/L		115	70 - 125
1,1-Dichloroethene	50.0	55.7		ug/L		111	67 - 122
1,1-Dichloropropene	50.0	56.4		ug/L		113	70 - 121
1,2,3-Trichlorobenzene	50.0	50.6		ug/L		101	51 - 145
1,2,3-Trichloropropane	50.0	42.0		ug/L		84	50 - 133
1,2,4-Trichlorobenzene	50.0	49.3		ug/L		99	57 - 137
1,2,4-Trimethylbenzene	50.0	46.9		ug/L		94	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	39.7		ug/L		79	56 - 123
1,2-Dibromoethane (EDB)	50.0	53.4		ug/L		107	70 - 125
1,2-Dichlorobenzene	50.0	53.8		ug/L		108	70 - 125
1,2-Dichloroethane	50.0	58.9		ug/L		118	68 - 127
1,2-Dichloropropane	50.0	58.3		ug/L		117	67 - 130
1,3,5-Trimethylbenzene	50.0	47.1		ug/L		94	70 - 123
1,3-Dichlorobenzene	50.0	52.3		ug/L		105	70 - 125
1,3-Dichloropropane	50.0	51.9		ug/L		104	62 - 136
1,4-Dichlorobenzene	50.0	51.4		ug/L		103	70 - 120
2,2-Dichloropropane	50.0	53.9		ug/L		108	58 - 139
2-Chlorotoluene	50.0	43.9		ug/L		88	70 - 125
4-Chlorotoluene	50.0	45.6		ug/L		91	68 - 124

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-241480-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-739474/4
Matrix: Water
Analysis Batch: 739474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	57.0		ug/L		114	70 - 120
Bromobenzene	50.0	48.2		ug/L		96	70 - 122
Bromochloromethane	50.0	58.9		ug/L		118	65 - 122
Bromodichloromethane	50.0	56.5		ug/L		113	69 - 120
Bromoform	50.0	63.5		ug/L		127	56 - 132
Bromomethane	50.0	60.6		ug/L		121	40 - 152
Carbon tetrachloride	50.0	66.2		ug/L		132	59 - 133
Chlorobenzene	50.0	55.2		ug/L		110	70 - 120
Chlorodibromomethane	50.0	59.0		ug/L		118	68 - 125
Chloroethane	50.0	52.2		ug/L		104	48 - 136
Chloroform	50.0	57.3		ug/L		115	70 - 120
Chloromethane	50.0	61.4		ug/L		123	56 - 152
cis-1,2-Dichloroethene	50.0	55.4		ug/L		111	70 - 125
cis-1,3-Dichloropropene	50.0	52.3		ug/L		105	64 - 127
Dibromomethane	50.0	58.8		ug/L		118	70 - 120
Dichlorodifluoromethane	50.0	65.3		ug/L		131	40 - 159
Dichlorofluoromethane	50.0	57.7		ug/L		115	69 - 124
Ethylbenzene	50.0	55.2		ug/L		110	70 - 123
Hexachlorobutadiene	50.0	52.2		ug/L		104	51 - 150
Isopropylbenzene	50.0	44.9		ug/L		90	70 - 126
Methyl tert-butyl ether	50.0	47.2		ug/L		94	55 - 123
Methylene Chloride	50.0	53.1		ug/L		106	69 - 125
Naphthalene	50.0	44.9		ug/L		90	53 - 144
n-Butylbenzene	50.0	44.7		ug/L		89	68 - 125
N-Propylbenzene	50.0	44.6		ug/L		89	69 - 127
p-Isopropyltoluene	50.0	47.5		ug/L		95	70 - 125
sec-Butylbenzene	50.0	46.2		ug/L		92	70 - 123
Styrene	50.0	56.7		ug/L		113	70 - 120
tert-Butylbenzene	50.0	45.6		ug/L		91	70 - 121
Tetrachloroethene	50.0	61.3		ug/L		123	70 - 128
Toluene	50.0	50.2		ug/L		100	70 - 125
trans-1,2-Dichloroethene	50.0	56.4		ug/L		113	70 - 125
trans-1,3-Dichloropropene	50.0	52.3		ug/L		105	62 - 128
Trichloroethene	50.0	63.2	*+	ug/L		126	70 - 125
Trichlorofluoromethane	50.0	67.6	*+	ug/L		135	55 - 128
Vinyl chloride	50.0	58.8		ug/L		118	64 - 126
Xylenes, Total	100	104		ug/L		104	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*
4-Bromofluorobenzene (Surr)	*78*		*72 - 124*
Dibromofluoromethane (Surr)	*104*		*75 - 120*
Toluene-d8 (Surr)	*93*		*75 - 120*

Lab Chronicle

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-241480-1

Client Sample ID: GPW-14

Lab Sample ID: 500-241480-1

Date Collected: 10/19/23 12:20

Matrix: Water

Date Received: 10/24/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	739474	AJP	EET CHI	10/30/23 17:55

Client Sample ID: GPW-15

Lab Sample ID: 500-241480-2

Date Collected: 10/19/23 16:00

Matrix: Water

Date Received: 10/24/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	739474	AJP	EET CHI	10/30/23 18:18

Client Sample ID: GPW-16

Lab Sample ID: 500-241480-3

Date Collected: 10/19/23 13:45

Matrix: Water

Date Received: 10/24/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	739474	AJP	EET CHI	10/30/23 18:41

Client Sample ID: GPW-17

Lab Sample ID: 500-241480-4

Date Collected: 10/19/23 15:40

Matrix: Water

Date Received: 10/24/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	739474	AJP	EET CHI	10/30/23 19:05

Client Sample ID: Trip Blank

Lab Sample ID: 500-241480-5

Date Collected: 10/19/23 00:00

Matrix: Water

Date Received: 10/24/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	739474	AJP	EET CHI	10/30/23 17:32

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: American Engineering Testing Inc. Job ID: 500-241480-1
Project/Site: Laundromat Property - P-0011071

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-24

Eurofins Chicago
2417 Bond Street

University Park, IL 60484-3101
phone 708 534 5200 fax 708 534 5211

Chain of Custody Record

Environment Testing America

500-241480 COC

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact	**Project Manager: Michael K. Neal**	Site Contact:	Date: 10-19-23
American Engineering Testing, Inc	Email mneal@teamAET com	Lab Contact: Sandie Fredrick	Carrier:
1837 CTH OO	Tel/Fax:		1 of 1 COCs
Chippewa Fall, WI 54729	**Analysis Turnaround Time**		TALS Project #
715-861-5045 Phone	☒ CALENDAR DAYS ☐ WORKING DAYS		Sampler Michael K Neal
651-659-1379 FAX	TAT if different from Below _____		**For Lab Use Only.**
Project Name Laundromat Property	☒ 2 weeks		Walk-in Client
PO# 18174528	☐ 1 week		Lab Sampling
AET Project # P-0011071	☐ 2 days		Job / SDG No 500-241480
	☐ 1 day		

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOCs	Sample Specific Notes
1	GPW-14	10-19-23	12:20	G	GW	3			X	
2	GPW-15		16:00	G	GW	3			X	
3	GPW-16		13:45	G	GW	3			X	
4	GPW-17		15:40	G	GW	3			X	
5	Trip Blank		—	—	W	1			X	
									2	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 4.4 Corr'd 4.7 | Therm ID No

Relinquished by	Company AET	Date/Time 10-20-23 16:00	Received by Fed Ex	Company	Date/Time
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time 10/24/23 0950

Login Sample Receipt Checklist

Client: American Engineering Testing Inc. Job Number: 500-241480-1

Login Number: 241480 **List Source: Eurofins Chicago**
List Number: 1
Creator: James, Jeff A

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

REVIEWED
By mneal at 9:58 am, Dec 05, 2023

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Michael Neal
American Engineering Testing Inc.
1837 Cty Hwy OO
Chippewa Falls, Wisconsin 54729

Generated 12/4/2023 10:45:49 AM

JOB DESCRIPTION

Laundromat Property - P-0011071

JOB NUMBER

500-242861-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization

Generated
12/4/2023 10:45:49 AM

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Laboratory Job ID: 500-242861-1

Table of Contents

Case Narrative

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

Job ID: 500-242861-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-242861-1

Receipt
The samples were received on 11/21/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.9º C.

Receipt Exceptions
One or more containers for the following sample(s) was received broken or leaking: Sample 2,5 and Trip Blank. Sample 2 has 1 VOA Vial broken. Sample 5 has 2 VOA vials broken. Trip Blank was received Broken.

GC/MS VOA
Method 8260D: Methylene chloride was detected in the following items: MW-2 (500-242861-2) and MW-3 (500-242861-3). Methylene chloride is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

Method 8260D: The method blank for analytical batch 500-744420 contained Naphthalene above the method detection limit (MDL). Associated samples were not re-analyzed because the method blank results were less than the reporting limit (RL).

Method 8260D: The laboratory control sample (LCS) for analytical batch 500-744121 recovered outside control limits for the following analytes: Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.MW-2 (500-242861-2), MW-3 (500-242861-3), MW-4 (500-242861-4) and MW-5 (500-242861-5)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

Client Sample ID: MW-1 — Lab Sample ID: 500-242861-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	5.1		1.0	0.37	ug/L	1		8260D	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 500-242861-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.5	J	5.0	1.6	ug/L	1		8260D	Total/NA
Tetrachloroethene	5.8		1.0	0.37	ug/L	1		8260D	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 500-242861-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.9	J	5.0	1.6	ug/L	1		8260D	Total/NA
Tetrachloroethene	36		1.0	0.37	ug/L	1		8260D	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 500-242861-4

No Detections.

Client Sample ID: MW-5 — Lab Sample ID: 500-242861-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.5		1.0	0.37	ug/L	1		8260D	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 500-242861-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.83	J	2.0	0.37	ug/L	1		8260D	Total/NA
Naphthalene	0.55	J B	1.0	0.34	ug/L	1		8260D	Total/NA
Tetrachloroethene	30		1.0	0.37	ug/L	1		8260D	Total/NA
Trichloroethene	1.5		0.50	0.16	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: American Engineering Testing Inc. Job ID: 500-242861-1
Project/Site: Laundromat Property - P-0011071

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-242861-1	MW-1	Water	11/20/23 14:45	11/21/23 09:50
500-242861-2	MW-2	Water	11/20/23 15:00	11/21/23 09:50
500-242861-3	MW-3	Water	11/20/23 15:30	11/21/23 09:50
500-242861-4	MW-4	Water	11/20/23 14:15	11/21/23 09:50
500-242861-5	MW-5	Water	11/20/23 13:45	11/21/23 09:50
500-242861-6	MW-6	Water	11/20/23 15:15	11/21/23 09:50

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-242861-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-1 Lab Sample ID: 500-242861-1

Date Collected: 11/20/23 14:45 **Matrix: Water**
Date Received: 11/21/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/28/23 18:15	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/28/23 18:15	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/28/23 18:15	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/28/23 18:15	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/28/23 18:15	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/28/23 18:15	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/28/23 18:15	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/28/23 18:15	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/28/23 18:15	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/28/23 18:15	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/28/23 18:15	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/28/23 18:15	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			11/28/23 18:15	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/28/23 18:15	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/28/23 18:15	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/28/23 18:15	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/28/23 18:15	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/28/23 18:15	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/28/23 18:15	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/28/23 18:15	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/28/23 18:15	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/28/23 18:15	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/28/23 18:15	1
Benzene	<0.15		0.50	0.15	ug/L			11/28/23 18:15	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/28/23 18:15	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/28/23 18:15	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/28/23 18:15	1
Bromoform	<0.48		1.0	0.48	ug/L			11/28/23 18:15	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/28/23 18:15	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/28/23 18:15	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/28/23 18:15	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			11/28/23 18:15	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/28/23 18:15	1
Chloroform	<0.37		2.0	0.37	ug/L			11/28/23 18:15	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/28/23 18:15	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/28/23 18:15	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/28/23 18:15	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/28/23 18:15	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/28/23 18:15	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			11/28/23 18:15	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/28/23 18:15	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/28/23 18:15	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/28/23 18:15	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/28/23 18:15	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/28/23 18:15	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/28/23 18:15	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/28/23 18:15	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/28/23 18:15	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/28/23 18:15	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-242861-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-1 Lab Sample ID: 500-242861-1

Date Collected: 11/20/23 14:45 **Matrix: Water**
Date Received: 11/21/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/28/23 18:15	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/28/23 18:15	1
Styrene	<0.39		1.0	0.39	ug/L			11/28/23 18:15	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/28/23 18:15	1
Tetrachloroethene	**5.1**		1.0	0.37	ug/L			11/28/23 18:15	1
Toluene	<0.15		0.50	0.15	ug/L			11/28/23 18:15	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/28/23 18:15	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/28/23 18:15	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/28/23 18:15	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/28/23 18:15	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/28/23 18:15	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/28/23 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*11/28/23 18:15*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*11/28/23 18:15*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*11/28/23 18:15*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*11/28/23 18:15*	*1*

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-242861-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-2 Lab Sample ID: 500-242861-2

Date Collected: 11/20/23 15:00 **Matrix: Water**
Date Received: 11/21/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/29/23 12:12	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/29/23 12:12	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/29/23 12:12	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/29/23 12:12	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/29/23 12:12	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/29/23 12:12	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/29/23 12:12	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/29/23 12:12	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/29/23 12:12	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/29/23 12:12	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/29/23 12:12	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/29/23 12:12	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			11/29/23 12:12	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/29/23 12:12	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/29/23 12:12	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/29/23 12:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/29/23 12:12	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/29/23 12:12	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/29/23 12:12	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/29/23 12:12	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/29/23 12:12	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/29/23 12:12	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/29/23 12:12	1
Benzene	<0.15		0.50	0.15	ug/L			11/29/23 12:12	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/29/23 12:12	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/29/23 12:12	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/29/23 12:12	1
Bromoform	<0.48		1.0	0.48	ug/L			11/29/23 12:12	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/29/23 12:12	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/29/23 12:12	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/29/23 12:12	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			11/29/23 12:12	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/29/23 12:12	1
Chloroform	<0.37		2.0	0.37	ug/L			11/29/23 12:12	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/29/23 12:12	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/29/23 12:12	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/29/23 12:12	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/29/23 12:12	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/29/23 12:12	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			11/29/23 12:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/29/23 12:12	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/29/23 12:12	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/29/23 12:12	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/29/23 12:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/29/23 12:12	1
Methylene Chloride	**2.5**	**J**	5.0	1.6	ug/L			11/29/23 12:12	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/29/23 12:12	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/29/23 12:12	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/29/23 12:12	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-242861-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-2 Lab Sample ID: 500-242861-2

Date Collected: 11/20/23 15:00 **Matrix: Water**
Date Received: 11/21/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/29/23 12:12	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/29/23 12:12	1
Styrene	<0.39		1.0	0.39	ug/L			11/29/23 12:12	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/29/23 12:12	1
Tetrachloroethene	**5.8**		1.0	0.37	ug/L			11/29/23 12:12	1
Toluene	<0.15		0.50	0.15	ug/L			11/29/23 12:12	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/29/23 12:12	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/29/23 12:12	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/29/23 12:12	1
Trichlorofluoromethane	<0.43	*+	1.0	0.43	ug/L			11/29/23 12:12	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/29/23 12:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/29/23 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*11/29/23 12:12*	*1*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*11/29/23 12:12*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*11/29/23 12:12*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*11/29/23 12:12*	*1*

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

Client Sample ID: MW-3

Date Collected: 11/20/23 15:30
Date Received: 11/21/23 09:50

Lab Sample ID: 500-242861-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/29/23 12:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/29/23 12:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/29/23 12:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/29/23 12:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/29/23 12:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/29/23 12:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/29/23 12:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/29/23 12:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/29/23 12:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/29/23 12:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/29/23 12:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/29/23 12:37	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			11/29/23 12:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/29/23 12:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/29/23 12:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/29/23 12:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/29/23 12:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/29/23 12:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/29/23 12:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/29/23 12:37	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/29/23 12:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/29/23 12:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/29/23 12:37	1
Benzene	<0.15		0.50	0.15	ug/L			11/29/23 12:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/29/23 12:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/29/23 12:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/29/23 12:37	1
Bromoform	<0.48		1.0	0.48	ug/L			11/29/23 12:37	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/29/23 12:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/29/23 12:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/29/23 12:37	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			11/29/23 12:37	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/29/23 12:37	1
Chloroform	<0.37		2.0	0.37	ug/L			11/29/23 12:37	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/29/23 12:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/29/23 12:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/29/23 12:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/29/23 12:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/29/23 12:37	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			11/29/23 12:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/29/23 12:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/29/23 12:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/29/23 12:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/29/23 12:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/29/23 12:37	1
Methylene Chloride	**2.9**	**J**	5.0	1.6	ug/L			11/29/23 12:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/29/23 12:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/29/23 12:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/29/23 12:37	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-242861-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-3 Lab Sample ID: 500-242861-3

Date Collected: 11/20/23 15:30 **Matrix: Water**
Date Received: 11/21/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/29/23 12:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/29/23 12:37	1
Styrene	<0.39		1.0	0.39	ug/L			11/29/23 12:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/29/23 12:37	1
Tetrachloroethene	**36**		1.0	0.37	ug/L			11/29/23 12:37	1
Toluene	<0.15		0.50	0.15	ug/L			11/29/23 12:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/29/23 12:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/29/23 12:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/29/23 12:37	1
Trichlorofluoromethane	<0.43	*+	1.0	0.43	ug/L			11/29/23 12:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/29/23 12:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/29/23 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*11/29/23 12:37*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*11/29/23 12:37*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*11/29/23 12:37*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*11/29/23 12:37*	*1*

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

Client Sample ID: MW-4

Date Collected: 11/20/23 14:15
Date Received: 11/21/23 09:50

Lab Sample ID: 500-242861-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/29/23 13:25	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/29/23 13:25	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/29/23 13:25	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/29/23 13:25	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/29/23 13:25	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/29/23 13:25	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/29/23 13:25	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/29/23 13:25	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/29/23 13:25	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/29/23 13:25	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/29/23 13:25	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/29/23 13:25	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			11/29/23 13:25	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/29/23 13:25	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/29/23 13:25	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/29/23 13:25	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/29/23 13:25	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/29/23 13:25	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/29/23 13:25	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/29/23 13:25	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/29/23 13:25	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/29/23 13:25	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/29/23 13:25	1
Benzene	<0.15		0.50	0.15	ug/L			11/29/23 13:25	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/29/23 13:25	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/29/23 13:25	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/29/23 13:25	1
Bromoform	<0.48		1.0	0.48	ug/L			11/29/23 13:25	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/29/23 13:25	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/29/23 13:25	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/29/23 13:25	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			11/29/23 13:25	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/29/23 13:25	1
Chloroform	<0.37		2.0	0.37	ug/L			11/29/23 13:25	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/29/23 13:25	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/29/23 13:25	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/29/23 13:25	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/29/23 13:25	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/29/23 13:25	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			11/29/23 13:25	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/29/23 13:25	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/29/23 13:25	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/29/23 13:25	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/29/23 13:25	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/29/23 13:25	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/29/23 13:25	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/29/23 13:25	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/29/23 13:25	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/29/23 13:25	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-242861-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-4 Lab Sample ID: 500-242861-4

Date Collected: 11/20/23 14:15 **Matrix: Water**
Date Received: 11/21/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/29/23 13:25	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/29/23 13:25	1
Styrene	<0.39		1.0	0.39	ug/L			11/29/23 13:25	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/29/23 13:25	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/29/23 13:25	1
Toluene	<0.15		0.50	0.15	ug/L			11/29/23 13:25	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/29/23 13:25	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/29/23 13:25	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/29/23 13:25	1
Trichlorofluoromethane	<0.43	*+	1.0	0.43	ug/L			11/29/23 13:25	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/29/23 13:25	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/29/23 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*11/29/23 13:25*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*11/29/23 13:25*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 120*		*11/29/23 13:25*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*11/29/23 13:25*	*1*

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-242861-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-5 Lab Sample ID: 500-242861-5

Date Collected: 11/20/23 13:45 **Matrix: Water**
Date Received: 11/21/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/29/23 14:14	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/29/23 14:14	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/29/23 14:14	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/29/23 14:14	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/29/23 14:14	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/29/23 14:14	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/29/23 14:14	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/29/23 14:14	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/29/23 14:14	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/29/23 14:14	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/29/23 14:14	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/29/23 14:14	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			11/29/23 14:14	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/29/23 14:14	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/29/23 14:14	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/29/23 14:14	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/29/23 14:14	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/29/23 14:14	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/29/23 14:14	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/29/23 14:14	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/29/23 14:14	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/29/23 14:14	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/29/23 14:14	1
Benzene	<0.15		0.50	0.15	ug/L			11/29/23 14:14	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/29/23 14:14	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/29/23 14:14	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/29/23 14:14	1
Bromoform	<0.48		1.0	0.48	ug/L			11/29/23 14:14	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/29/23 14:14	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/29/23 14:14	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/29/23 14:14	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			11/29/23 14:14	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/29/23 14:14	1
Chloroform	<0.37		2.0	0.37	ug/L			11/29/23 14:14	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/29/23 14:14	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/29/23 14:14	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/29/23 14:14	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/29/23 14:14	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/29/23 14:14	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			11/29/23 14:14	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/29/23 14:14	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/29/23 14:14	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/29/23 14:14	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/29/23 14:14	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/29/23 14:14	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/29/23 14:14	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/29/23 14:14	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/29/23 14:14	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/29/23 14:14	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-242861-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-5 Lab Sample ID: 500-242861-5

Date Collected: 11/20/23 13:45 **Matrix: Water**
Date Received: 11/21/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/29/23 14:14	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/29/23 14:14	1
Styrene	<0.39		1.0	0.39	ug/L			11/29/23 14:14	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/29/23 14:14	1
Tetrachloroethene	**2.5**		1.0	0.37	ug/L			11/29/23 14:14	1
Toluene	<0.15		0.50	0.15	ug/L			11/29/23 14:14	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/29/23 14:14	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/29/23 14:14	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/29/23 14:14	1
Trichlorofluoromethane	<0.43	*+	1.0	0.43	ug/L			11/29/23 14:14	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/29/23 14:14	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/29/23 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*11/29/23 14:14*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*11/29/23 14:14*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*11/29/23 14:14*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*11/29/23 14:14*	*1*

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-242861-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-6 Lab Sample ID: 500-242861-6

Date Collected: 11/20/23 15:15 **Matrix: Water**
Date Received: 11/21/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/30/23 12:31	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/30/23 12:31	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/30/23 12:31	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/30/23 12:31	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/30/23 12:31	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/30/23 12:31	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/30/23 12:31	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/30/23 12:31	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/30/23 12:31	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/30/23 12:31	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/30/23 12:31	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/30/23 12:31	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			11/30/23 12:31	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/30/23 12:31	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/30/23 12:31	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/30/23 12:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/30/23 12:31	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/30/23 12:31	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/30/23 12:31	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/30/23 12:31	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/30/23 12:31	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/30/23 12:31	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/30/23 12:31	1
Benzene	<0.15		0.50	0.15	ug/L			11/30/23 12:31	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/30/23 12:31	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/30/23 12:31	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/30/23 12:31	1
Bromoform	<0.48		1.0	0.48	ug/L			11/30/23 12:31	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/30/23 12:31	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/30/23 12:31	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/30/23 12:31	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			11/30/23 12:31	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/30/23 12:31	1
Chloroform	**0.83**	**J**	2.0	0.37	ug/L			11/30/23 12:31	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/30/23 12:31	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/30/23 12:31	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/30/23 12:31	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/30/23 12:31	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/30/23 12:31	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			11/30/23 12:31	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/30/23 12:31	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/30/23 12:31	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/30/23 12:31	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/30/23 12:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/30/23 12:31	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/30/23 12:31	1
Naphthalene	**0.55**	**J B**	1.0	0.34	ug/L			11/30/23 12:31	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/30/23 12:31	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/30/23 12:31	1

Client Sample Results

Client: American Engineering Testing Inc. Job ID: 500-242861-1
Project/Site: Laundromat Property - P-0011071

Client Sample ID: MW-6 Lab Sample ID: 500-242861-6

Date Collected: 11/20/23 15:15 **Matrix: Water**
Date Received: 11/21/23 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/30/23 12:31	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/30/23 12:31	1
Styrene	<0.39		1.0	0.39	ug/L			11/30/23 12:31	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/30/23 12:31	1
Tetrachloroethene	**30**		1.0	0.37	ug/L			11/30/23 12:31	1
Toluene	<0.15		0.50	0.15	ug/L			11/30/23 12:31	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/30/23 12:31	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/30/23 12:31	1
Trichloroethene	**1.5**		0.50	0.16	ug/L			11/30/23 12:31	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/30/23 12:31	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/30/23 12:31	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/30/23 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*11/30/23 12:31*	*1*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*		*11/30/23 12:31*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 120*		*11/30/23 12:31*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*11/30/23 12:31*	*1*

Definitions/Glossary

Client: American Engineering Testing Inc. Job ID: 500-242861-1
Project/Site: Laundromat Property - P-0011071

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

GC/MS VOA

Analysis Batch: 743907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242861-1	MW-1	Total/NA	Water	8260D	
MB 500-743907/8	Method Blank	Total/NA	Water	8260D	
LCS 500-743907/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 744121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242861-2	MW-2	Total/NA	Water	8260D	
500-242861-3	MW-3	Total/NA	Water	8260D	
500-242861-4	MW-4	Total/NA	Water	8260D	
500-242861-5	MW-5	Total/NA	Water	8260D	
MB 500-744121/7	Method Blank	Total/NA	Water	8260D	
LCS 500-744121/4	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 744420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242861-6	MW-6	Total/NA	Water	8260D	
MB 500-744420/8	Method Blank	Total/NA	Water	8260D	
LCS 500-744420/5	Lab Control Sample	Total/NA	Water	8260D	

Surrogate Summary

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-242861-1	MW-1	95	94	96	102
500-242861-2	MW-2	96	88	94	104
500-242861-3	MW-3	99	91	98	105
500-242861-4	MW-4	97	95	95	105
500-242861-5	MW-5	103	98	98	104
500-242861-6	MW-6	101	109	91	90
LCS 500-743907/5	Lab Control Sample	91	85	95	105
LCS 500-744121/4	Lab Control Sample	93	87	94	101
LCS 500-744420/5	Lab Control Sample	98	109	93	91
MB 500-743907/8	Method Blank	97	88	94	99
MB 500-744121/7	Method Blank	96	87	95	100
MB 500-744420/8	Method Blank	102	109	93	90

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-743907/8
Matrix: Water
Analysis Batch: 743907

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/28/23 14:18	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/28/23 14:18	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/28/23 14:18	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/28/23 14:18	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/28/23 14:18	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/28/23 14:18	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/28/23 14:18	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/28/23 14:18	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/28/23 14:18	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/28/23 14:18	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/28/23 14:18	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/28/23 14:18	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			11/28/23 14:18	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/28/23 14:18	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/28/23 14:18	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/28/23 14:18	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/28/23 14:18	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/28/23 14:18	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/28/23 14:18	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/28/23 14:18	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/28/23 14:18	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/28/23 14:18	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/28/23 14:18	1
Benzene	<0.15		0.50	0.15	ug/L			11/28/23 14:18	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/28/23 14:18	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/28/23 14:18	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/28/23 14:18	1
Bromoform	<0.48		1.0	0.48	ug/L			11/28/23 14:18	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/28/23 14:18	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/28/23 14:18	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/28/23 14:18	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			11/28/23 14:18	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/28/23 14:18	1
Chloroform	<0.37		2.0	0.37	ug/L			11/28/23 14:18	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/28/23 14:18	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/28/23 14:18	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/28/23 14:18	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/28/23 14:18	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/28/23 14:18	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			11/28/23 14:18	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/28/23 14:18	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/28/23 14:18	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/28/23 14:18	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/28/23 14:18	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/28/23 14:18	1
Methylene Chloride	2.17	J	5.0	1.6	ug/L			11/28/23 14:18	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/28/23 14:18	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/28/23 14:18	1

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-743907/8
Matrix: Water
Analysis Batch: 743907

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/28/23 14:18	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/28/23 14:18	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/28/23 14:18	1
Styrene	<0.39		1.0	0.39	ug/L			11/28/23 14:18	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/28/23 14:18	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/28/23 14:18	1
Toluene	<0.15		0.50	0.15	ug/L			11/28/23 14:18	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/28/23 14:18	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/28/23 14:18	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/28/23 14:18	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/28/23 14:18	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/28/23 14:18	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/28/23 14:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*11/28/23 14:18*	*1*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*11/28/23 14:18*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*11/28/23 14:18*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*11/28/23 14:18*	*1*

Lab Sample ID: LCS 500-743907/5
Matrix: Water
Analysis Batch: 743907

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	51.4		ug/L		103	70 - 125
1,1,1-Trichloroethane	50.0	51.7		ug/L		103	70 - 125
1,1,2,2-Tetrachloroethane	50.0	38.5		ug/L		77	62 - 140
1,1,2-Trichloroethane	50.0	46.1		ug/L		92	71 - 130
1,1-Dichloroethane	50.0	50.1		ug/L		100	70 - 125
1,1-Dichloroethene	50.0	49.1		ug/L		98	67 - 122
1,1-Dichloropropene	50.0	56.4		ug/L		113	70 - 121
1,2,3-Trichlorobenzene	50.0	60.0		ug/L		120	51 - 145
1,2,3-Trichloropropane	50.0	44.6		ug/L		89	50 - 133
1,2,4-Trichlorobenzene	50.0	60.0		ug/L		120	57 - 137
1,2,4-Trimethylbenzene	50.0	49.4		ug/L		99	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	39.4		ug/L		79	56 - 123
1,2-Dibromoethane (EDB)	50.0	43.4		ug/L		87	70 - 125
1,2-Dichlorobenzene	50.0	51.1		ug/L		102	70 - 125
1,2-Dichloroethane	50.0	45.5		ug/L		91	68 - 127
1,2-Dichloropropane	50.0	44.1		ug/L		88	67 - 130
1,3,5-Trimethylbenzene	50.0	50.2		ug/L		100	70 - 123
1,3-Dichlorobenzene	50.0	52.9		ug/L		106	70 - 125
1,3-Dichloropropane	50.0	44.7		ug/L		89	62 - 136
1,4-Dichlorobenzene	50.0	50.7		ug/L		101	70 - 120
2,2-Dichloropropane	50.0	45.8		ug/L		92	58 - 139
2-Chlorotoluene	50.0	46.0		ug/L		92	70 - 125
4-Chlorotoluene	50.0	48.1		ug/L		96	68 - 124

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-743907/5
Matrix: Water
Analysis Batch: 743907

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	49.6		ug/L		99	70 - 120
Bromobenzene	50.0	46.9		ug/L		94	70 - 122
Bromochloromethane	50.0	48.3		ug/L		97	65 - 122
Bromodichloromethane	50.0	40.5		ug/L		81	69 - 120
Bromoform	50.0	44.5		ug/L		89	56 - 132
Bromomethane	50.0	41.9		ug/L		84	40 - 152
Carbon tetrachloride	50.0	55.6		ug/L		111	59 - 133
Chlorobenzene	50.0	50.2		ug/L		100	70 - 120
Chlorodibromomethane	50.0	46.5		ug/L		93	68 - 125
Chloroethane	50.0	42.8		ug/L		86	48 - 136
Chloroform	50.0	51.2		ug/L		102	70 - 120
Chloromethane	50.0	47.9		ug/L		96	56 - 152
cis-1,2-Dichloroethene	50.0	46.8		ug/L		94	70 - 125
cis-1,3-Dichloropropene	50.0	43.9		ug/L		88	64 - 127
Dibromomethane	50.0	46.3		ug/L		93	70 - 120
Dichlorodifluoromethane	50.0	58.6		ug/L		117	40 - 159
Dichlorofluoromethane	50.0	49.2		ug/L		98	69 - 124
Ethylbenzene	50.0	53.9		ug/L		108	70 - 123
Hexachlorobutadiene	50.0	70.7		ug/L		141	51 - 150
Isopropylbenzene	50.0	50.2		ug/L		100	70 - 126
Methyl tert-butyl ether	50.0	40.1		ug/L		80	55 - 123
Methylene Chloride	50.0	45.4		ug/L		91	69 - 125
Naphthalene	50.0	52.2		ug/L		104	53 - 144
n-Butylbenzene	50.0	55.4		ug/L		111	68 - 125
N-Propylbenzene	50.0	49.9		ug/L		100	69 - 127
p-Isopropyltoluene	50.0	54.2		ug/L		108	70 - 125
sec-Butylbenzene	50.0	55.1		ug/L		110	70 - 123
Styrene	50.0	48.4		ug/L		97	70 - 120
tert-Butylbenzene	50.0	50.6		ug/L		101	70 - 121
Tetrachloroethene	50.0	63.3		ug/L		127	70 - 128
Toluene	50.0	54.5		ug/L		109	70 - 125
trans-1,2-Dichloroethene	50.0	47.2		ug/L		94	70 - 125
trans-1,3-Dichloropropene	50.0	44.1		ug/L		88	62 - 128
Trichloroethene	50.0	53.9		ug/L		108	70 - 125
Trichlorofluoromethane	50.0	63.5		ug/L		127	55 - 128
Vinyl chloride	50.0	47.3		ug/L		95	64 - 126
Xylenes, Total	100	106		ug/L		106	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*
Dibromofluoromethane (Surr)	*95*		*75 - 120*
Toluene-d8 (Surr)	*105*		*75 - 120*

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-744121/7
Matrix: Water
Analysis Batch: 744121

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/29/23 10:59	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/29/23 10:59	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/29/23 10:59	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/29/23 10:59	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/29/23 10:59	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/29/23 10:59	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/29/23 10:59	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/29/23 10:59	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/29/23 10:59	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/29/23 10:59	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/29/23 10:59	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/29/23 10:59	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			11/29/23 10:59	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/29/23 10:59	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/29/23 10:59	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/29/23 10:59	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/29/23 10:59	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/29/23 10:59	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/29/23 10:59	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/29/23 10:59	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/29/23 10:59	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/29/23 10:59	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/29/23 10:59	1
Benzene	<0.15		0.50	0.15	ug/L			11/29/23 10:59	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/29/23 10:59	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/29/23 10:59	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/29/23 10:59	1
Bromoform	<0.48		1.0	0.48	ug/L			11/29/23 10:59	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/29/23 10:59	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/29/23 10:59	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/29/23 10:59	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			11/29/23 10:59	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/29/23 10:59	1
Chloroform	<0.37		2.0	0.37	ug/L			11/29/23 10:59	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/29/23 10:59	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/29/23 10:59	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/29/23 10:59	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/29/23 10:59	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/29/23 10:59	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			11/29/23 10:59	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/29/23 10:59	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/29/23 10:59	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/29/23 10:59	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/29/23 10:59	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/29/23 10:59	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/29/23 10:59	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/29/23 10:59	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/29/23 10:59	1

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-744121/7
Matrix: Water
Analysis Batch: 744121

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/29/23 10:59	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/29/23 10:59	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/29/23 10:59	1
Styrene	<0.39		1.0	0.39	ug/L			11/29/23 10:59	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/29/23 10:59	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/29/23 10:59	1
Toluene	<0.15		0.50	0.15	ug/L			11/29/23 10:59	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/29/23 10:59	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/29/23 10:59	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/29/23 10:59	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/29/23 10:59	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/29/23 10:59	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/29/23 10:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*11/29/23 10:59*	*1*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*		*11/29/23 10:59*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 120*		*11/29/23 10:59*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*11/29/23 10:59*	*1*

Lab Sample ID: LCS 500-744121/4
Matrix: Water
Analysis Batch: 744121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	51.7		ug/L		103	70 - 125
1,1,1-Trichloroethane	50.0	53.3		ug/L		107	70 - 125
1,1,2,2-Tetrachloroethane	50.0	38.8		ug/L		78	62 - 140
1,1,2-Trichloroethane	50.0	44.0		ug/L		88	71 - 130
1,1-Dichloroethane	50.0	50.5		ug/L		101	70 - 125
1,1-Dichloroethene	50.0	53.9		ug/L		108	67 - 122
1,1-Dichloropropene	50.0	57.9		ug/L		116	70 - 121
1,2,3-Trichlorobenzene	50.0	59.9		ug/L		120	51 - 145
1,2,3-Trichloropropane	50.0	43.5		ug/L		87	50 - 133
1,2,4-Trichlorobenzene	50.0	58.7		ug/L		117	57 - 137
1,2,4-Trimethylbenzene	50.0	47.0		ug/L		94	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	43.6		ug/L		87	56 - 123
1,2-Dibromoethane (EDB)	50.0	46.2		ug/L		92	70 - 125
1,2-Dichlorobenzene	50.0	51.0		ug/L		102	70 - 125
1,2-Dichloroethane	50.0	48.1		ug/L		96	68 - 127
1,2-Dichloropropane	50.0	45.6		ug/L		91	67 - 130
1,3,5-Trimethylbenzene	50.0	49.1		ug/L		98	70 - 123
1,3-Dichlorobenzene	50.0	51.9		ug/L		104	70 - 125
1,3-Dichloropropane	50.0	46.6		ug/L		93	62 - 136
1,4-Dichlorobenzene	50.0	50.7		ug/L		101	70 - 120
2,2-Dichloropropane	50.0	50.0		ug/L		100	58 - 139
2-Chlorotoluene	50.0	44.6		ug/L		89	70 - 125
4-Chlorotoluene	50.0	46.2		ug/L		92	68 - 124

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-744121/4
Matrix: Water
Analysis Batch: 744121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	48.8		ug/L		98	70 - 120
Bromobenzene	50.0	45.7		ug/L		91	70 - 122
Bromochloromethane	50.0	49.4		ug/L		99	65 - 122
Bromodichloromethane	50.0	41.4		ug/L		83	69 - 120
Bromoform	50.0	45.2		ug/L		90	56 - 132
Bromomethane	50.0	43.9		ug/L		88	40 - 152
Carbon tetrachloride	50.0	56.9		ug/L		114	59 - 133
Chlorobenzene	50.0	49.9		ug/L		100	70 - 120
Chlorodibromomethane	50.0	45.5		ug/L		91	68 - 125
Chloroethane	50.0	47.2		ug/L		94	48 - 136
Chloroform	50.0	51.9		ug/L		104	70 - 120
Chloromethane	50.0	48.9		ug/L		98	56 - 152
cis-1,2-Dichloroethene	50.0	47.8		ug/L		96	70 - 125
cis-1,3-Dichloropropene	50.0	45.1		ug/L		90	64 - 127
Dibromomethane	50.0	50.3		ug/L		101	70 - 120
Dichlorodifluoromethane	50.0	52.1		ug/L		104	40 - 159
Dichlorofluoromethane	50.0	53.8		ug/L		108	69 - 124
Ethylbenzene	50.0	53.8		ug/L		108	70 - 123
Hexachlorobutadiene	50.0	68.8		ug/L		138	51 - 150
Isopropylbenzene	50.0	47.3		ug/L		95	70 - 126
Methyl tert-butyl ether	50.0	42.4		ug/L		85	55 - 123
Methylene Chloride	50.0	45.7		ug/L		91	69 - 125
Naphthalene	50.0	51.4		ug/L		103	53 - 144
n-Butylbenzene	50.0	54.8		ug/L		110	68 - 125
N-Propylbenzene	50.0	47.7		ug/L		95	69 - 127
p-Isopropyltoluene	50.0	53.0		ug/L		106	70 - 125
sec-Butylbenzene	50.0	52.6		ug/L		105	70 - 123
Styrene	50.0	47.1		ug/L		94	70 - 120
tert-Butylbenzene	50.0	48.3		ug/L		97	70 - 121
Tetrachloroethene	50.0	64.1		ug/L		128	70 - 128
Toluene	50.0	53.0		ug/L		106	70 - 125
trans-1,2-Dichloroethene	50.0	49.9		ug/L		100	70 - 125
trans-1,3-Dichloropropene	50.0	44.8		ug/L		90	62 - 128
Trichloroethene	50.0	54.7		ug/L		109	70 - 125
Trichlorofluoromethane	50.0	66.8	*+	ug/L		134	55 - 128
Vinyl chloride	50.0	49.3		ug/L		99	64 - 126
Xylenes, Total	100	104		ug/L		104	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*
Dibromofluoromethane (Surr)	*94*		*75 - 120*
Toluene-d8 (Surr)	*101*		*75 - 120*

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-744420/8
Matrix: Water
Analysis Batch: 744420

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/30/23 11:45	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/30/23 11:45	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/30/23 11:45	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/30/23 11:45	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/30/23 11:45	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/30/23 11:45	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/30/23 11:45	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/30/23 11:45	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/30/23 11:45	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/30/23 11:45	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/30/23 11:45	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/30/23 11:45	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			11/30/23 11:45	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/30/23 11:45	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/30/23 11:45	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/30/23 11:45	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/30/23 11:45	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/30/23 11:45	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/30/23 11:45	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/30/23 11:45	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/30/23 11:45	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/30/23 11:45	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/30/23 11:45	1
Benzene	<0.15		0.50	0.15	ug/L			11/30/23 11:45	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/30/23 11:45	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/30/23 11:45	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/30/23 11:45	1
Bromoform	<0.48		1.0	0.48	ug/L			11/30/23 11:45	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/30/23 11:45	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/30/23 11:45	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/30/23 11:45	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			11/30/23 11:45	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/30/23 11:45	1
Chloroform	<0.37		2.0	0.37	ug/L			11/30/23 11:45	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/30/23 11:45	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/30/23 11:45	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/30/23 11:45	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/30/23 11:45	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/30/23 11:45	1
Dichlorofluoromethane	<0.38		1.0	0.38	ug/L			11/30/23 11:45	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/30/23 11:45	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/30/23 11:45	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/30/23 11:45	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/30/23 11:45	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/30/23 11:45	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/30/23 11:45	1
Naphthalene	0.667	J	1.0	0.34	ug/L			11/30/23 11:45	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/30/23 11:45	1

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-744420/8
Matrix: Water
Analysis Batch: 744420

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/30/23 11:45	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/30/23 11:45	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/30/23 11:45	1
Styrene	<0.39		1.0	0.39	ug/L			11/30/23 11:45	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/30/23 11:45	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/30/23 11:45	1
Toluene	<0.15		0.50	0.15	ug/L			11/30/23 11:45	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/30/23 11:45	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/30/23 11:45	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/30/23 11:45	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/30/23 11:45	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/30/23 11:45	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/30/23 11:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*11/30/23 11:45*	*1*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*		*11/30/23 11:45*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*11/30/23 11:45*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*11/30/23 11:45*	*1*

Lab Sample ID: LCS 500-744420/5
Matrix: Water
Analysis Batch: 744420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	47.0		ug/L		94	70 - 125
1,1,1-Trichloroethane	50.0	44.4		ug/L		89	70 - 125
1,1,2,2-Tetrachloroethane	50.0	52.8		ug/L		106	62 - 140
1,1,2-Trichloroethane	50.0	49.4		ug/L		99	71 - 130
1,1-Dichloroethane	50.0	44.5		ug/L		89	70 - 125
1,1-Dichloroethene	50.0	39.7		ug/L		79	67 - 122
1,1-Dichloropropene	50.0	48.7		ug/L		97	70 - 121
1,2,3-Trichlorobenzene	50.0	37.9		ug/L		76	51 - 145
1,2,3-Trichloropropane	50.0	55.1		ug/L		110	50 - 133
1,2,4-Trichlorobenzene	50.0	38.9		ug/L		78	57 - 137
1,2,4-Trimethylbenzene	50.0	52.2		ug/L		104	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	49.0		ug/L		98	56 - 123
1,2-Dibromoethane (EDB)	50.0	52.6		ug/L		105	70 - 125
1,2-Dichlorobenzene	50.0	46.8		ug/L		94	70 - 125
1,2-Dichloroethane	50.0	50.7		ug/L		101	68 - 127
1,2-Dichloropropane	50.0	51.0		ug/L		102	67 - 130
1,3,5-Trimethylbenzene	50.0	52.0		ug/L		104	70 - 123
1,3-Dichlorobenzene	50.0	50.4		ug/L		101	70 - 125
1,3-Dichloropropane	50.0	52.4		ug/L		105	62 - 136
1,4-Dichlorobenzene	50.0	49.7		ug/L		99	70 - 120
2,2-Dichloropropane	50.0	38.9		ug/L		78	58 - 139
2-Chlorotoluene	50.0	52.4		ug/L		105	70 - 125
4-Chlorotoluene	50.0	54.7		ug/L		109	68 - 124

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-744420/5
Matrix: Water
Analysis Batch: 744420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	44.3		ug/L		89	70 - 120
Bromobenzene	50.0	55.6		ug/L		111	70 - 122
Bromochloromethane	50.0	43.9		ug/L		88	65 - 122
Bromodichloromethane	50.0	49.8		ug/L		100	69 - 120
Bromoform	50.0	56.3		ug/L		113	56 - 132
Bromomethane	50.0	40.6		ug/L		81	40 - 152
Carbon tetrachloride	50.0	47.1		ug/L		94	59 - 133
Chlorobenzene	50.0	48.4		ug/L		97	70 - 120
Chlorodibromomethane	50.0	52.0		ug/L		104	68 - 125
Chloroethane	50.0	40.2		ug/L		80	48 - 136
Chloroform	50.0	44.0		ug/L		88	70 - 120
Chloromethane	50.0	50.8		ug/L		102	56 - 152
cis-1,2-Dichloroethene	50.0	42.3		ug/L		85	70 - 125
cis-1,3-Dichloropropene	50.0	54.3		ug/L		109	64 - 127
Dibromomethane	50.0	50.7		ug/L		101	70 - 120
Dichlorodifluoromethane	50.0	46.7		ug/L		93	40 - 159
Dichlorofluoromethane	50.0	39.2		ug/L		78	69 - 124
Ethylbenzene	50.0	46.1		ug/L		92	70 - 123
Hexachlorobutadiene	50.0	36.8		ug/L		74	51 - 150
Isopropylbenzene	50.0	51.7		ug/L		103	70 - 126
Methyl tert-butyl ether	50.0	41.7		ug/L		83	55 - 123
Methylene Chloride	50.0	38.4		ug/L		77	69 - 125
Naphthalene	50.0	39.6		ug/L		79	53 - 144
n-Butylbenzene	50.0	49.7		ug/L		99	68 - 125
N-Propylbenzene	50.0	52.8		ug/L		106	69 - 127
p-Isopropyltoluene	50.0	52.0		ug/L		104	70 - 125
sec-Butylbenzene	50.0	51.2		ug/L		102	70 - 123
Styrene	50.0	52.4		ug/L		105	70 - 120
tert-Butylbenzene	50.0	54.1		ug/L		108	70 - 121
Tetrachloroethene	50.0	46.8		ug/L		94	70 - 128
Toluene	50.0	43.7		ug/L		87	70 - 125
trans-1,2-Dichloroethene	50.0	40.0		ug/L		80	70 - 125
trans-1,3-Dichloropropene	50.0	56.9		ug/L		114	62 - 128
Trichloroethene	50.0	47.4		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	46.5		ug/L		93	55 - 128
Vinyl chloride	50.0	40.4		ug/L		81	64 - 126
Xylenes, Total	100	98.7		ug/L		99	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*
Dibromofluoromethane (Surr)	*93*		*75 - 120*
Toluene-d8 (Surr)	*91*		*75 - 120*

Lab Chronicle

Client: American Engineering Testing Inc.
Project/Site: Laundromat Property - P-0011071

Job ID: 500-242861-1

Client Sample ID: MW-1
Date Collected: 11/20/23 14:45
Date Received: 11/21/23 09:50

Lab Sample ID: 500-242861-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	743907	W1T	EET CHI	11/28/23 18:15

Client Sample ID: MW-2
Date Collected: 11/20/23 15:00
Date Received: 11/21/23 09:50

Lab Sample ID: 500-242861-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	744121	LMB	EET CHI	11/29/23 12:12

Client Sample ID: MW-3
Date Collected: 11/20/23 15:30
Date Received: 11/21/23 09:50

Lab Sample ID: 500-242861-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	744121	LMB	EET CHI	11/29/23 12:37

Client Sample ID: MW-4
Date Collected: 11/20/23 14:15
Date Received: 11/21/23 09:50

Lab Sample ID: 500-242861-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	744121	LMB	EET CHI	11/29/23 13:25

Client Sample ID: MW-5
Date Collected: 11/20/23 13:45
Date Received: 11/21/23 09:50

Lab Sample ID: 500-242861-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	744121	LMB	EET CHI	11/29/23 14:14

Client Sample ID: MW-6
Date Collected: 11/20/23 15:15
Date Received: 11/21/23 09:50

Lab Sample ID: 500-242861-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	744420	W1T	EET CHI	11/30/23 12:31

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: American Engineering Testing Inc. Job ID: 500-242861-1
Project/Site: Laundromat Property - P-0011071

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-24

Chain of Custody Record

Eurofins Chicago
2417 Bond Street

University Park, IL 60484-3101
phone 708 534 5200 fax 708 534 5211

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Eurofins Environment Testing America

Client Contact	**Project Manager: Michael K. Neal**		COC No 1 of 1 COCs
American Engineering Testing, Inc	Email mneal@teamAET com	Site Contact:	Date: 11-20-23
1837 CTH OO	Tel/Fax:	Lab Contact: Sandie Fredrick	Carrier:
Chippewa Fall, WI 54729	**Analysis Turnaround Time**		TALS Project #
715-861-5045 Phone	☑ CALENDAR DAYS ☐ WORKING DAYS		Sampler Michael K Neal
651-659-1379 FAX	TAT if different from Below ____		For Lab Use Only:
Project Name Laundromat Property	☑ 2 weeks		Walk-in Client
PO# 18174528	☐ 1 week		Lab Sampling
AET Project # P-0011071	☐ 2 days		Job / SDG No 500-242861
	☐ 1 day		

500-242861 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	Sample Specific Notes
1	MW-1	11-20-23	14:45	G	GW	3			X	
2	MW-2		15:00	G	GW	3			X	
3	MW-3		15:30	G	GW	3			X	
4	MW-4		14:15	G	GW	3			X	
5	MW-5		13:45	G	GW	3			X	
6	MW-6		15:15	G	GW	3			X	
	Trip Blank		—	G	W	1			X	
									2	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No		Cooler Temp (°C) Obs'd 0.9	Corr'd 0.9	Therm ID No
Relinquished by	Company AET	Date/Time 11-20-23 14:00	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company EETA	Date/Time 11/21/23 09:50

Login Sample Receipt Checklist

Client: American Engineering Testing Inc. Job Number: 500-242861-1

Login Number: 242861 **List Source: Eurofins Chicago**
List Number: 1
Creator: Schmidt, Kara

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	NO TB RECEIVED
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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REVIEWED
By mneal at 1:32 pm, Dec 05, 2023

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Michael Neal
American Engineering Testing Inc.
1837 Cty Hwy OO
Chippewa Falls, Wisconsin 54729

Generated 5/31/2023 3:20:36 PM

JOB DESCRIPTION

Laundry Property

JOB NUMBER

500-234429-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

myEOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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5/31/2023 3:20:36 PM

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Client: American Engineering Testing Inc.
Project/Site: Laundry Property

Laboratory Job ID: 500-234429-1

Table of Contents

Case Narrative

Client: American Engineering Testing Inc. Job ID: 500-234429-1
Project/Site: Laundry Property

Job ID: 500-234429-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-234429-1

Comments
No additional comments.

Receipt
The sample was received on 5/26/2023 9:15 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice.

Air - GC/MS VOA
Methods TO 15 LL, TO-14A, TO-15: EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by Eurofins TestAmerica Knoxville.

Methods TO 15 LL, TO-15: The continuing calibration verification (CCV) associated with batch 140-73677 exhibited % difference of > 30% for the following analyte(s) Hexachlorobutadiene; however, the results were within the LCS acceptance limits. The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria.

Methods TO 15 LL, TO-15: The continuing calibration verification (CCV) associated with batch 140-73677 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects above the reporting limit (RL) for the affected analyte; therefore, the data have been reported.

Methods TO 15 LL, TO-15: The laboratory control sample (LCS) for analytical batch 140-73677 recovered outside control limits for the following analyte: Carbon tetrachloride. This analyte was biased high in the LCS and was not detected above the reporting limit (RL) in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: American Engineering Testing Inc.
Project/Site: Laundry Property

Job ID: 500-234429-1

Client Sample ID: SEWER CLEAN OUT — Lab Sample ID: 500-234429-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	1.2	J	5.0	0.87	ppb v/v	1		TO-15	Total/NA
Chloroform	2.0		2.0	0.36	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane	0.55	J	5.0	0.35	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	1.8	J	2.0	0.33	ppb v/v	1		TO-15	Total/NA
m-Xylene & p-Xylene	5.9	J	8.0	0.73	ppb v/v	1		TO-15	Total/NA
o-Xylene	1.7	J	2.0	0.38	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	5.8		2.0	0.29	ppb v/v	1		TO-15	Total/NA
Toluene	1.4	J	10	0.57	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.38	J	2.0	0.28	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	3.6	J	16	2.7	ug/m3	1		TO-15	Total/NA
Chloroform	9.9		9.8	1.8	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.7	J	25	1.7	ug/m3	1		TO-15	Total/NA
Ethylbenzene	7.7	J	8.7	1.4	ug/m3	1		TO-15	Total/NA
m-Xylene & p-Xylene	26	J	35	3.2	ug/m3	1		TO-15	Total/NA
o-Xylene	7.2	J	8.7	1.7	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	39		14	2.0	ug/m3	1		TO-15	Total/NA
Toluene	5.3	J	38	2.1	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.1	J	11	1.6	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: American Engineering Testing Inc.
Project/Site: Laundry Property

Job ID: 500-234429-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET KNX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: American Engineering Testing Inc.
Project/Site: Laundry Property

Job ID: 500-234429-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-234429-1	SEWER CLEAN OUT	Air	05/24/23 07:39	05/26/23 09:15	Air Canister (6-Liter) #12192

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundry Property

Job ID: 500-234429-1

Client Sample ID: SEWER CLEAN OUT

Lab Sample ID: 500-234429-1

Date Collected: 05/24/23 07:39

Matrix: Air

Date Received: 05/26/23 09:15

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.72		2.0	0.72	ppb v/v			05/31/23 01:46	1
1,1,2,2-Tetrachloroethane	<0.35		2.0	0.35	ppb v/v			05/31/23 01:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.24		2.0	0.24	ppb v/v			05/31/23 01:46	1
1,1,2-Trichloroethane	<0.38		2.0	0.38	ppb v/v			05/31/23 01:46	1
1,1-Dichloroethane	<0.27		2.0	0.27	ppb v/v			05/31/23 01:46	1
1,1-Dichloroethene	<0.32		2.0	0.32	ppb v/v			05/31/23 01:46	1
1,2,4-Trichlorobenzene	<0.89		20	0.89	ppb v/v			05/31/23 01:46	1
1,2,4-Trimethylbenzene	<0.50		2.0	0.50	ppb v/v			05/31/23 01:46	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<0.30		2.0	0.30	ppb v/v			05/31/23 01:46	1
1,2-Dichlorobenzene	<0.78		4.0	0.78	ppb v/v			05/31/23 01:46	1
1,2-Dichloroethane	<0.25		2.0	0.25	ppb v/v			05/31/23 01:46	1
1,2-Dichloropropane	<0.25		2.0	0.25	ppb v/v			05/31/23 01:46	1
1,3,5-Trimethylbenzene	<1.6		4.0	1.6	ppb v/v			05/31/23 01:46	1
1,3-Dichlorobenzene	<0.40		2.0	0.40	ppb v/v			05/31/23 01:46	1
1,4-Dichlorobenzene	<0.40		2.0	0.40	ppb v/v			05/31/23 01:46	1
1,4-Dioxane	<0.75		50	0.75	ppb v/v			05/31/23 01:46	1
2-Butanone (MEK)	<1.8		10	1.8	ppb v/v			05/31/23 01:46	1
4-Methyl-2-pentanone (MIBK)	<1.4		10	1.4	ppb v/v			05/31/23 01:46	1
Acetone	<14		75	14	ppb v/v			05/31/23 01:46	1
Benzene	<0.33		2.0	0.33	ppb v/v			05/31/23 01:46	1
Benzyl chloride	<0.95		8.0	0.95	ppb v/v			05/31/23 01:46	1
Bromoform	<0.66		2.0	0.66	ppb v/v			05/31/23 01:46	1
Bromomethane	<0.55		2.0	0.55	ppb v/v			05/31/23 01:46	1
Carbon disulfide	**1.2**	**J**	5.0	0.87	ppb v/v			05/31/23 01:46	1
Carbon tetrachloride	<0.32	*+	2.0	0.32	ppb v/v			05/31/23 01:46	1
Chlorobenzene	<0.56		2.0	0.56	ppb v/v			05/31/23 01:46	1
Chlorodibromomethane	<0.34		2.0	0.34	ppb v/v			05/31/23 01:46	1
Chloroethane	<0.79		8.0	0.79	ppb v/v			05/31/23 01:46	1
Chloroform	**2.0**		2.0	0.36	ppb v/v			05/31/23 01:46	1
Chloromethane	<1.6		10	1.6	ppb v/v			05/31/23 01:46	1
cis-1,2-Dichloroethene	<0.25		2.0	0.25	ppb v/v			05/31/23 01:46	1
cis-1,3-Dichloropropene	<0.48		4.0	0.48	ppb v/v			05/31/23 01:46	1
Cyclohexane	<0.93		5.0	0.93	ppb v/v			05/31/23 01:46	1
Bromodichloromethane	<0.44		2.0	0.44	ppb v/v			05/31/23 01:46	1
Dichlorodifluoromethane	**0.55**	**J**	5.0	0.35	ppb v/v			05/31/23 01:46	1
Ethylbenzene	**1.8**	**J**	2.0	0.33	ppb v/v			05/31/23 01:46	1
1,2-Dibromoethane (EDB)	<0.31		2.0	0.31	ppb v/v			05/31/23 01:46	1
Hexachlorobutadiene	<0.80		10	0.80	ppb v/v			05/31/23 01:46	1
Hexane	<0.63		8.0	0.63	ppb v/v			05/31/23 01:46	1
Isopropyl alcohol	<2.4		50	2.4	ppb v/v			05/31/23 01:46	1
Isopropylbenzene	<0.43		8.0	0.43	ppb v/v			05/31/23 01:46	1
m-Xylene & p-Xylene	**5.9**	**J**	8.0	0.73	ppb v/v			05/31/23 01:46	1
Methyl tert-butyl ether	<1.3		10	1.3	ppb v/v			05/31/23 01:46	1
Methylene Chloride	<3.4		10	3.4	ppb v/v			05/31/23 01:46	1
Naphthalene	<1.0		5.0	1.0	ppb v/v			05/31/23 01:46	1
o-Xylene	**1.7**	**J**	2.0	0.38	ppb v/v			05/31/23 01:46	1
Styrene	<0.60		2.0	0.60	ppb v/v			05/31/23 01:46	1
Tetrachloroethene	**5.8**		2.0	0.29	ppb v/v			05/31/23 01:46	1
Tetrahydrofuran	<1.8		50	1.8	ppb v/v			05/31/23 01:46	1

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundry Property

Job ID: 500-234429-1

Client Sample ID: SEWER CLEAN OUT

Lab Sample ID: 500-234429-1

Date Collected: 05/24/23 07:39

Matrix: Air

Date Received: 05/26/23 09:15

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**1.4**	**J**	10	0.57	ppb v/v			05/31/23 01:46	1
trans-1,2-Dichloroethene	<0.33		2.0	0.33	ppb v/v			05/31/23 01:46	1
trans-1,3-Dichloropropene	<0.49		2.0	0.49	ppb v/v			05/31/23 01:46	1
Trichloroethene	<0.33		2.0	0.33	ppb v/v			05/31/23 01:46	1
Trichlorofluoromethane	**0.38**	**J**	2.0	0.28	ppb v/v			05/31/23 01:46	1
Vinyl acetate	<0.70		50	0.70	ppb v/v			05/31/23 01:46	1
Vinyl bromide	<0.50		2.0	0.50	ppb v/v			05/31/23 01:46	1
Vinyl chloride	<0.65		4.0	0.65	ppb v/v			05/31/23 01:46	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<3.9		11	3.9	ug/m3			05/31/23 01:46	1
1,1,2,2-Tetrachloroethane	<2.4		14	2.4	ug/m3			05/31/23 01:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.8		15	1.8	ug/m3			05/31/23 01:46	1
1,1,2-Trichloroethane	<2.1		11	2.1	ug/m3			05/31/23 01:46	1
1,1-Dichloroethane	<1.1		8.1	1.1	ug/m3			05/31/23 01:46	1
1,1-Dichloroethene	<1.3		7.9	1.3	ug/m3			05/31/23 01:46	1
1,2,4-Trichlorobenzene	<6.6		150	6.6	ug/m3			05/31/23 01:46	1
1,2,4-Trimethylbenzene	<2.5		9.8	2.5	ug/m3			05/31/23 01:46	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.1		14	2.1	ug/m3			05/31/23 01:46	1
1,2-Dichlorobenzene	<4.7		24	4.7	ug/m3			05/31/23 01:46	1
1,2-Dichloroethane	<1.0		8.1	1.0	ug/m3			05/31/23 01:46	1
1,2-Dichloropropane	<1.2		9.2	1.2	ug/m3			05/31/23 01:46	1
1,3,5-Trimethylbenzene	<7.9		20	7.9	ug/m3			05/31/23 01:46	1
1,3-Dichlorobenzene	<2.4		12	2.4	ug/m3			05/31/23 01:46	1
1,4-Dichlorobenzene	<2.4		12	2.4	ug/m3			05/31/23 01:46	1
1,4-Dioxane	<2.7		180	2.7	ug/m3			05/31/23 01:46	1
2-Butanone (MEK)	<5.3		29	5.3	ug/m3			05/31/23 01:46	1
4-Methyl-2-pentanone (MIBK)	<5.7		41	5.7	ug/m3			05/31/23 01:46	1
Acetone	<33		180	33	ug/m3			05/31/23 01:46	1
Benzene	<1.1		6.4	1.1	ug/m3			05/31/23 01:46	1
Benzyl chloride	<4.9		41	4.9	ug/m3			05/31/23 01:46	1
Bromoform	<6.8		21	6.8	ug/m3			05/31/23 01:46	1
Bromomethane	<2.1		7.8	2.1	ug/m3			05/31/23 01:46	1
Carbon disulfide	**3.6**	**J**	16	2.7	ug/m3			05/31/23 01:46	1
Carbon tetrachloride	<2.0	*+	13	2.0	ug/m3			05/31/23 01:46	1
Chlorobenzene	<2.6		9.2	2.6	ug/m3			05/31/23 01:46	1
Chlorodibromomethane	<2.9		17	2.9	ug/m3			05/31/23 01:46	1
Chloroethane	<2.1		21	2.1	ug/m3			05/31/23 01:46	1
Chloroform	**9.9**		9.8	1.8	ug/m3			05/31/23 01:46	1
Chloromethane	<3.3		21	3.3	ug/m3			05/31/23 01:46	1
cis-1,2-Dichloroethene	<0.99		7.9	0.99	ug/m3			05/31/23 01:46	1
cis-1,3-Dichloropropene	<2.2		18	2.2	ug/m3			05/31/23 01:46	1
Cyclohexane	<3.2		17	3.2	ug/m3			05/31/23 01:46	1
Bromodichloromethane	<2.9		13	2.9	ug/m3			05/31/23 01:46	1
Dichlorodifluoromethane	**2.7**	**J**	25	1.7	ug/m3			05/31/23 01:46	1
Ethylbenzene	**7.7**	**J**	8.7	1.4	ug/m3			05/31/23 01:46	1
1,2-Dibromoethane (EDB)	<2.4		15	2.4	ug/m3			05/31/23 01:46	1
Hexachlorobutadiene	<8.5		110	8.5	ug/m3			05/31/23 01:46	1
Hexane	<2.2		28	2.2	ug/m3			05/31/23 01:46	1
Isopropyl alcohol	<5.9		120	5.9	ug/m3			05/31/23 01:46	1

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundry Property

Job ID: 500-234429-1

Client Sample ID: SEWER CLEAN OUT

Lab Sample ID: 500-234429-1

Date Collected: 05/24/23 07:39

Matrix: Air

Date Received: 05/26/23 09:15

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	<2.1		39	2.1	ug/m3			05/31/23 01:46	1
m-Xylene & p-Xylene	**26**	**J**	35	3.2	ug/m3			05/31/23 01:46	1
Methyl tert-butyl ether	<4.7		36	4.7	ug/m3			05/31/23 01:46	1
Methylene Chloride	<12		35	12	ug/m3			05/31/23 01:46	1
Naphthalene	<5.2		26	5.2	ug/m3			05/31/23 01:46	1
o-Xylene	**7.2**	**J**	8.7	1.7	ug/m3			05/31/23 01:46	1
Styrene	<2.6		8.5	2.6	ug/m3			05/31/23 01:46	1
Tetrachloroethene	**39**		14	2.0	ug/m3			05/31/23 01:46	1
Tetrahydrofuran	<5.3		150	5.3	ug/m3			05/31/23 01:46	1
Toluene	**5.3**	**J**	38	2.1	ug/m3			05/31/23 01:46	1
trans-1,2-Dichloroethene	<1.3		7.9	1.3	ug/m3			05/31/23 01:46	1
trans-1,3-Dichloropropene	<2.2		9.1	2.2	ug/m3			05/31/23 01:46	1
Trichloroethene	<1.8		11	1.8	ug/m3			05/31/23 01:46	1
Trichlorofluoromethane	**2.1**	**J**	11	1.6	ug/m3			05/31/23 01:46	1
Vinyl acetate	<2.5		180	2.5	ug/m3			05/31/23 01:46	1
Vinyl bromide	<2.2		8.7	2.2	ug/m3			05/31/23 01:46	1
Vinyl chloride	<1.7		10	1.7	ug/m3			05/31/23 01:46	1

Definitions/Glossary

Client: American Engineering Testing Inc. Job ID: 500-234429-1
Project/Site: Laundry Property

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: American Engineering Testing Inc.
Project/Site: Laundry Property

Job ID: 500-234429-1

Air - GC/MS VOA

Analysis Batch: 73677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234429-1	SEWER CLEAN OUT	Total/NA	Air	TO-15	
MB 140-73677/5	Method Blank	Total/NA	Air	TO-15	
LCS 140-73677/1002	Lab Control Sample	Total/NA	Air	TO-15	

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundry Property

Job ID: 500-234429-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 140-73677/5
Matrix: Air
Analysis Batch: 73677

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.072		0.20	0.072	ppb v/v			05/30/23 10:47	1
1,1,2,2-Tetrachloroethane	<0.035		0.20	0.035	ppb v/v			05/30/23 10:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.024		0.20	0.024	ppb v/v			05/30/23 10:47	1
1,1,2-Trichloroethane	<0.038		0.20	0.038	ppb v/v			05/30/23 10:47	1
1,1-Dichloroethane	<0.027		0.20	0.027	ppb v/v			05/30/23 10:47	1
1,1-Dichloroethene	<0.032		0.20	0.032	ppb v/v			05/30/23 10:47	1
1,2,4-Trichlorobenzene	<0.089		2.0	0.089	ppb v/v			05/30/23 10:47	1
1,2,4-Trimethylbenzene	<0.050		0.20	0.050	ppb v/v			05/30/23 10:47	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<0.030		0.20	0.030	ppb v/v			05/30/23 10:47	1
1,2-Dichlorobenzene	<0.078		0.40	0.078	ppb v/v			05/30/23 10:47	1
1,2-Dichloroethane	<0.025		0.20	0.025	ppb v/v			05/30/23 10:47	1
1,2-Dichloropropane	<0.025		0.20	0.025	ppb v/v			05/30/23 10:47	1
1,3,5-Trimethylbenzene	<0.16		0.40	0.16	ppb v/v			05/30/23 10:47	1
1,3-Dichlorobenzene	<0.040		0.20	0.040	ppb v/v			05/30/23 10:47	1
1,4-Dichlorobenzene	<0.040		0.20	0.040	ppb v/v			05/30/23 10:47	1
1,4-Dioxane	<0.075		5.0	0.075	ppb v/v			05/30/23 10:47	1
2-Butanone (MEK)	<0.18		1.0	0.18	ppb v/v			05/30/23 10:47	1
4-Methyl-2-pentanone (MIBK)	<0.14		1.0	0.14	ppb v/v			05/30/23 10:47	1
Acetone	<1.4		7.5	1.4	ppb v/v			05/30/23 10:47	1
Benzene	<0.033		0.20	0.033	ppb v/v			05/30/23 10:47	1
Benzyl chloride	<0.095		0.80	0.095	ppb v/v			05/30/23 10:47	1
Bromoform	<0.066		0.20	0.066	ppb v/v			05/30/23 10:47	1
Bromomethane	<0.055		0.20	0.055	ppb v/v			05/30/23 10:47	1
Carbon disulfide	<0.087		0.50	0.087	ppb v/v			05/30/23 10:47	1
Carbon tetrachloride	<0.032		0.20	0.032	ppb v/v			05/30/23 10:47	1
Chlorobenzene	<0.056		0.20	0.056	ppb v/v			05/30/23 10:47	1
Chlorodibromomethane	<0.034		0.20	0.034	ppb v/v			05/30/23 10:47	1
Chloroethane	<0.079		0.80	0.079	ppb v/v			05/30/23 10:47	1
Chloroform	<0.036		0.20	0.036	ppb v/v			05/30/23 10:47	1
Chloromethane	<0.16		1.0	0.16	ppb v/v			05/30/23 10:47	1
cis-1,2-Dichloroethene	<0.025		0.20	0.025	ppb v/v			05/30/23 10:47	1
cis-1,3-Dichloropropene	<0.048		0.40	0.048	ppb v/v			05/30/23 10:47	1
Cyclohexane	<0.093		0.50	0.093	ppb v/v			05/30/23 10:47	1
Bromodichloromethane	<0.044		0.20	0.044	ppb v/v			05/30/23 10:47	1
Dichlorodifluoromethane	<0.035		0.50	0.035	ppb v/v			05/30/23 10:47	1
Ethylbenzene	<0.033		0.20	0.033	ppb v/v			05/30/23 10:47	1
1,2-Dibromoethane (EDB)	<0.031		0.20	0.031	ppb v/v			05/30/23 10:47	1
Hexachlorobutadiene	<0.080		1.0	0.080	ppb v/v			05/30/23 10:47	1
Hexane	<0.063		0.80	0.063	ppb v/v			05/30/23 10:47	1
Isopropyl alcohol	<0.24		5.0	0.24	ppb v/v			05/30/23 10:47	1
Isopropylbenzene	<0.043		0.80	0.043	ppb v/v			05/30/23 10:47	1
m-Xylene & p-Xylene	<0.073		0.80	0.073	ppb v/v			05/30/23 10:47	1
Methyl tert-butyl ether	<0.13		1.0	0.13	ppb v/v			05/30/23 10:47	1
Methylene Chloride	<0.34		1.0	0.34	ppb v/v			05/30/23 10:47	1
Naphthalene	<0.10		0.50	0.10	ppb v/v			05/30/23 10:47	1
o-Xylene	<0.038		0.20	0.038	ppb v/v			05/30/23 10:47	1
Styrene	<0.060		0.20	0.060	ppb v/v			05/30/23 10:47	1
Tetrachloroethene	<0.029		0.20	0.029	ppb v/v			05/30/23 10:47	1

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundry Property

Job ID: 500-234429-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 140-73677/5
Matrix: Air
Analysis Batch: 73677

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<0.18		5.0	0.18	ppb v/v			05/30/23 10:47	1
Toluene	<0.057		1.0	0.057	ppb v/v			05/30/23 10:47	1
trans-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			05/30/23 10:47	1
trans-1,3-Dichloropropene	<0.049		0.20	0.049	ppb v/v			05/30/23 10:47	1
Trichloroethene	<0.033		0.20	0.033	ppb v/v			05/30/23 10:47	1
Trichlorofluoromethane	<0.028		0.20	0.028	ppb v/v			05/30/23 10:47	1
Vinyl acetate	<0.070		5.0	0.070	ppb v/v			05/30/23 10:47	1
Vinyl bromide	<0.050		0.20	0.050	ppb v/v			05/30/23 10:47	1
Vinyl chloride	<0.065		0.40	0.065	ppb v/v			05/30/23 10:47	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.39		1.1	0.39	ug/m3			05/30/23 10:47	1
1,1,2,2-Tetrachloroethane	<0.24		1.4	0.24	ug/m3			05/30/23 10:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.18		1.5	0.18	ug/m3			05/30/23 10:47	1
1,1,2-Trichloroethane	<0.21		1.1	0.21	ug/m3			05/30/23 10:47	1
1,1-Dichloroethane	<0.11		0.81	0.11	ug/m3			05/30/23 10:47	1
1,1-Dichloroethene	<0.13		0.79	0.13	ug/m3			05/30/23 10:47	1
1,2,4-Trichlorobenzene	<0.66		15	0.66	ug/m3			05/30/23 10:47	1
1,2,4-Trimethylbenzene	<0.25		0.98	0.25	ug/m3			05/30/23 10:47	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<0.21		1.4	0.21	ug/m3			05/30/23 10:47	1
1,2-Dichlorobenzene	<0.47		2.4	0.47	ug/m3			05/30/23 10:47	1
1,2-Dichloroethane	<0.10		0.81	0.10	ug/m3			05/30/23 10:47	1
1,2-Dichloropropane	<0.12		0.92	0.12	ug/m3			05/30/23 10:47	1
1,3,5-Trimethylbenzene	<0.79		2.0	0.79	ug/m3			05/30/23 10:47	1
1,3-Dichlorobenzene	<0.24		1.2	0.24	ug/m3			05/30/23 10:47	1
1,4-Dichlorobenzene	<0.24		1.2	0.24	ug/m3			05/30/23 10:47	1
1,4-Dioxane	<0.27		18	0.27	ug/m3			05/30/23 10:47	1
2-Butanone (MEK)	<0.53		2.9	0.53	ug/m3			05/30/23 10:47	1
4-Methyl-2-pentanone (MIBK)	<0.57		4.1	0.57	ug/m3			05/30/23 10:47	1
Acetone	<3.3		18	3.3	ug/m3			05/30/23 10:47	1
Benzene	<0.11		0.64	0.11	ug/m3			05/30/23 10:47	1
Benzyl chloride	<0.49		4.1	0.49	ug/m3			05/30/23 10:47	1
Bromoform	<0.68		2.1	0.68	ug/m3			05/30/23 10:47	1
Bromomethane	<0.21		0.78	0.21	ug/m3			05/30/23 10:47	1
Carbon disulfide	<0.27		1.6	0.27	ug/m3			05/30/23 10:47	1
Carbon tetrachloride	<0.20		1.3	0.20	ug/m3			05/30/23 10:47	1
Chlorobenzene	<0.26		0.92	0.26	ug/m3			05/30/23 10:47	1
Chlorodibromomethane	<0.29		1.7	0.29	ug/m3			05/30/23 10:47	1
Chloroethane	<0.21		2.1	0.21	ug/m3			05/30/23 10:47	1
Chloroform	<0.18		0.98	0.18	ug/m3			05/30/23 10:47	1
Chloromethane	<0.33		2.1	0.33	ug/m3			05/30/23 10:47	1
cis-1,2-Dichloroethene	<0.099		0.79	0.099	ug/m3			05/30/23 10:47	1
cis-1,3-Dichloropropene	<0.22		1.8	0.22	ug/m3			05/30/23 10:47	1
Cyclohexane	<0.32		1.7	0.32	ug/m3			05/30/23 10:47	1
Bromodichloromethane	<0.29		1.3	0.29	ug/m3			05/30/23 10:47	1
Dichlorodifluoromethane	<0.17		2.5	0.17	ug/m3			05/30/23 10:47	1
Ethylbenzene	<0.14		0.87	0.14	ug/m3			05/30/23 10:47	1
1,2-Dibromoethane (EDB)	<0.24		1.5	0.24	ug/m3			05/30/23 10:47	1
Hexachlorobutadiene	<0.85		11	0.85	ug/m3			05/30/23 10:47	1

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundry Property

Job ID: 500-234429-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 140-73677/5
Matrix: Air
Analysis Batch: 73677

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	<0.22		2.8	0.22	ug/m3			05/30/23 10:47	1
Isopropyl alcohol	<0.59		12	0.59	ug/m3			05/30/23 10:47	1
Isopropylbenzene	<0.21		3.9	0.21	ug/m3			05/30/23 10:47	1
m-Xylene & p-Xylene	<0.32		3.5	0.32	ug/m3			05/30/23 10:47	1
Methyl tert-butyl ether	<0.47		3.6	0.47	ug/m3			05/30/23 10:47	1
Methylene Chloride	<1.2		3.5	1.2	ug/m3			05/30/23 10:47	1
Naphthalene	<0.52		2.6	0.52	ug/m3			05/30/23 10:47	1
o-Xylene	<0.17		0.87	0.17	ug/m3			05/30/23 10:47	1
Styrene	<0.26		0.85	0.26	ug/m3			05/30/23 10:47	1
Tetrachloroethene	<0.20		1.4	0.20	ug/m3			05/30/23 10:47	1
Tetrahydrofuran	<0.53		15	0.53	ug/m3			05/30/23 10:47	1
Toluene	<0.21		3.8	0.21	ug/m3			05/30/23 10:47	1
trans-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			05/30/23 10:47	1
trans-1,3-Dichloropropene	<0.22		0.91	0.22	ug/m3			05/30/23 10:47	1
Trichloroethene	<0.18		1.1	0.18	ug/m3			05/30/23 10:47	1
Trichlorofluoromethane	<0.16		1.1	0.16	ug/m3			05/30/23 10:47	1
Vinyl acetate	<0.25		18	0.25	ug/m3			05/30/23 10:47	1
Vinyl bromide	<0.22		0.87	0.22	ug/m3			05/30/23 10:47	1
Vinyl chloride	<0.17		1.0	0.17	ug/m3			05/30/23 10:47	1

Lab Sample ID: LCS 140-73677/1002
Matrix: Air
Analysis Batch: 73677

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	3.00	3.22		ppb v/v		107	70 - 130
1,1,2,2-Tetrachloroethane	3.00	3.06		ppb v/v		102	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	3.00	3.11		ppb v/v		104	70 - 130
1,1,2-Trichloroethane	3.00	3.05		ppb v/v		102	70 - 130
1,1-Dichloroethane	3.00	3.24		ppb v/v		108	70 - 130
1,1-Dichloroethene	3.00	2.79		ppb v/v		93	70 - 130
1,2,4-Trichlorobenzene	3.00	3.00		ppb v/v		100	60 - 140
1,2,4-Trimethylbenzene	3.00	3.46		ppb v/v		115	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	3.00	2.66		ppb v/v		89	60 - 140
1,2-Dichlorobenzene	3.00	3.49		ppb v/v		116	70 - 130
1,2-Dichloroethane	3.00	3.44		ppb v/v		115	70 - 130
1,2-Dichloropropane	3.00	3.11		ppb v/v		104	70 - 130
1,3,5-Trimethylbenzene	3.00	3.86		ppb v/v		129	70 - 130
1,3-Dichlorobenzene	3.00	3.41		ppb v/v		114	70 - 130
1,4-Dichlorobenzene	3.00	3.59		ppb v/v		120	70 - 130
1,4-Dioxane	3.00	2.69		ppb v/v		90	60 - 140
2-Butanone (MEK)	3.00	2.82		ppb v/v		94	60 - 140
4-Methyl-2-pentanone (MIBK)	3.00	2.65		ppb v/v		88	60 - 140
Acetone	3.00	2.61	J	ppb v/v		87	60 - 140
Benzene	3.00	2.98		ppb v/v		99	70 - 130
Benzyl chloride	3.00	3.61		ppb v/v		120	70 - 130
Bromoform	3.00	3.30		ppb v/v		110	60 - 140

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundry Property

Job ID: 500-234429-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-73677/1002
Matrix: Air
Analysis Batch: 73677

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	3.00	2.71		ppb v/v		90	70 - 130
Carbon disulfide	3.00	3.09		ppb v/v		103	70 - 130
Carbon tetrachloride	3.00	4.13	*+	ppb v/v		138	70 - 130
Chlorobenzene	3.00	3.23		ppb v/v		108	70 - 130
Chlorodibromomethane	3.00	3.77		ppb v/v		126	70 - 130
Chloroethane	3.00	2.56		ppb v/v		85	70 - 130
Chloroform	3.00	3.16		ppb v/v		105	70 - 130
Chloromethane	3.00	2.29		ppb v/v		76	60 - 140
cis-1,2-Dichloroethene	3.00	2.94		ppb v/v		98	70 - 130
cis-1,3-Dichloropropene	3.00	3.26		ppb v/v		109	70 - 130
Cyclohexane	3.00	2.75		ppb v/v		92	70 - 130
Bromodichloromethane	3.00	3.40		ppb v/v		113	70 - 130
Dichlorodifluoromethane	3.00	3.00		ppb v/v		100	60 - 140
Ethylbenzene	3.00	2.80		ppb v/v		93	70 - 130
1,2-Dibromoethane (EDB)	3.00	3.19		ppb v/v		106	70 - 130
Hexachlorobutadiene	3.00	1.91		ppb v/v		64	60 - 140
Hexane	3.00	2.80		ppb v/v		93	70 - 130
Isopropyl alcohol	3.00	3.08		ppb v/v		103	60 - 140
Isopropylbenzene	3.00	3.22		ppb v/v		107	70 - 130
m-Xylene & p-Xylene	6.00	5.87		ppb v/v		98	70 - 130
Methyl tert-butyl ether	3.00	3.02		ppb v/v		101	60 - 140
Methylene Chloride	3.00	2.73		ppb v/v		91	70 - 130
Naphthalene	3.00	3.63		ppb v/v		121	60 - 140
o-Xylene	3.00	2.92		ppb v/v		97	70 - 130
Styrene	3.00	3.08		ppb v/v		103	70 - 130
Tetrachloroethene	3.00	3.25		ppb v/v		108	70 - 130
Tetrahydrofuran	3.00	2.65		ppb v/v		88	60 - 140
Toluene	3.00	2.90		ppb v/v		97	70 - 130
trans-1,2-Dichloroethene	3.00	2.90		ppb v/v		97	70 - 130
trans-1,3-Dichloropropene	3.00	3.20		ppb v/v		107	70 - 130
Trichloroethene	3.00	3.08		ppb v/v		103	70 - 130
Trichlorofluoromethane	3.00	3.18		ppb v/v		106	60 - 140
Vinyl acetate	3.00	3.29		ppb v/v		110	60 - 140
Vinyl bromide	3.00	2.99		ppb v/v		100	60 - 140
Vinyl chloride	3.00	2.47		ppb v/v		82	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	16	17.6		ug/m3		107	70 - 130
1,1,2,2-Tetrachloroethane	21	21.0		ug/m3		102	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	23	23.9		ug/m3		104	70 - 130
1,1,2-Trichloroethane	16	16.7		ug/m3		102	70 - 130
1,1-Dichloroethane	12	13.1		ug/m3		108	70 - 130
1,1-Dichloroethene	12	11.1		ug/m3		93	70 - 130
1,2,4-Trichlorobenzene	22	22.3		ug/m3		100	60 - 140
1,2,4-Trimethylbenzene	15	17.0		ug/m3		115	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	21	18.6		ug/m3		89	60 - 140
1,2-Dichlorobenzene	18	21.0		ug/m3		116	70 - 130

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Laundry Property

Job ID: 500-234429-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-73677/1002
Matrix: Air
Analysis Batch: 73677

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	12	13.9		ug/m3		115	70 - 130
1,2-Dichloropropane	14	14.4		ug/m3		104	70 - 130
1,3,5-Trimethylbenzene	15	19.0		ug/m3		129	70 - 130
1,3-Dichlorobenzene	18	20.5		ug/m3		114	70 - 130
1,4-Dichlorobenzene	18	21.6		ug/m3		120	70 - 130
1,4-Dioxane	11	9.69		ug/m3		90	60 - 140
2-Butanone (MEK)	8.8	8.32		ug/m3		94	60 - 140
4-Methyl-2-pentanone (MIBK)	12	10.9		ug/m3		88	60 - 140
Acetone	7.1	6.21	J	ug/m3		87	60 - 140
Benzene	9.6	9.51		ug/m3		99	70 - 130
Benzyl chloride	16	18.7		ug/m3		120	70 - 130
Bromoform	31	34.1		ug/m3		110	60 - 140
Bromomethane	12	10.5		ug/m3		90	70 - 130
Carbon disulfide	9.3	9.63		ug/m3		103	70 - 130
Carbon tetrachloride	19	26.0	*+	ug/m3		138	70 - 130
Chlorobenzene	14	14.9		ug/m3		108	70 - 130
Chlorodibromomethane	26	32.1		ug/m3		126	70 - 130
Chloroethane	7.9	6.76		ug/m3		85	70 - 130
Chloroform	15	15.4		ug/m3		105	70 - 130
Chloromethane	6.2	4.74		ug/m3		76	60 - 140
cis-1,2-Dichloroethene	12	11.7		ug/m3		98	70 - 130
cis-1,3-Dichloropropene	14	14.8		ug/m3		109	70 - 130
Cyclohexane	10	9.45		ug/m3		92	70 - 130
Bromodichloromethane	20	22.8		ug/m3		113	70 - 130
Dichlorodifluoromethane	15	14.9		ug/m3		100	60 - 140
Ethylbenzene	13	12.2		ug/m3		93	70 - 130
1,2-Dibromoethane (EDB)	23	24.5		ug/m3		106	70 - 130
Hexachlorobutadiene	32	20.4		ug/m3		64	60 - 140
Hexane	11	9.85		ug/m3		93	70 - 130
Isopropyl alcohol	7.4	7.58		ug/m3		103	60 - 140
Isopropylbenzene	15	15.8		ug/m3		107	70 - 130
m-Xylene & p-Xylene	26	25.5		ug/m3		98	70 - 130
Methyl tert-butyl ether	11	10.9		ug/m3		101	60 - 140
Methylene Chloride	10	9.50		ug/m3		91	70 - 130
Naphthalene	16	19.0		ug/m3		121	60 - 140
o-Xylene	13	12.7		ug/m3		97	70 - 130
Styrene	13	13.1		ug/m3		103	70 - 130
Tetrachloroethene	20	22.0		ug/m3		108	70 - 130
Tetrahydrofuran	8.8	7.80		ug/m3		88	60 - 140
Toluene	11	10.9		ug/m3		97	70 - 130
trans-1,2-Dichloroethene	12	11.5		ug/m3		97	70 - 130
trans-1,3-Dichloropropene	14	14.5		ug/m3		107	70 - 130
Trichloroethene	16	16.5		ug/m3		103	70 - 130
Trichlorofluoromethane	17	17.9		ug/m3		106	60 - 140
Vinyl acetate	11	11.6		ug/m3		110	60 - 140
Vinyl bromide	13	13.1		ug/m3		100	60 - 140
Vinyl chloride	7.7	6.31		ug/m3		82	70 - 130

Lab Chronicle

Client: American Engineering Testing Inc.
Project/Site: Laundry Property

Job ID: 500-234429-1

Client Sample ID: SEWER CLEAN OUT

Lab Sample ID: 500-234429-1

Date Collected: 05/24/23 07:39

Matrix: Air

Date Received: 05/26/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	73677	S1K	EET KNX	05/31/23 01:46

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: American Engineering Testing Inc. Job ID: 500-234429-1
Project/Site: Laundry Property

Laboratory: Eurofins Knoxville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	N/A	
ANAB	Dept. of Defense ELAP	L2311	02-13-25
ANAB	Dept. of Energy	L2311.01	02-13-25
ANAB	ISO/IEC 17025	L2311	02-13-25
Arkansas DEQ	State	88-0688	06-16-23
California	State	2423	06-30-23
Colorado	State	TN00009	02-29-24
Connecticut	State	PH-0223	09-30-23
Florida	NELAP	E87177	06-30-23
Georgia (DW)	State	906	07-27-25
Hawaii	State	NA	07-27-23
Kansas	NELAP	E-10349	10-31-23
Kentucky (DW)	State	90101	12-31-23
Louisiana	NELAP	83979	06-30-23
Louisiana (All)	NELAP	83979	06-30-23
Louisiana (DW)	State	LA019	12-31-23
Maryland	State	277	03-31-24
Michigan	State	9933	07-27-25
Nevada	State	TN00009	07-31-23
New Hampshire	NELAP	2999	01-17-24
New Jersey	NELAP	TN001	06-30-23
New York	NELAP	10781	03-31-24
North Carolina (DW)	State	21705	07-31-23
North Carolina (WW/SW)	State	64	12-31-23
Ohio VAP	State	CL0059	06-02-23
Oklahoma	State	9415	08-31-23
Oregon	NELAP	TNI0189	01-01-24
Pennsylvania	NELAP	68-00576	12-01-23
Tennessee	State	02014	07-27-25
Texas	NELAP	T104704380-22-17	08-31-23
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	525-22-279-18762	10-06-25
Utah	NELAP	TN00009	07-31-23
Virginia	NELAP	460176	09-14-23
Washington	State	C593	01-19-24
West Virginia (DW)	State	9955C	12-31-23
West Virginia DEP	State	345	04-30-24
Wisconsin	State	998044300	08-31-23

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike

Knoxville, TN 37921-5947
phone 865.291.3000 fax 865.584.4315

Canister Samples Chain of Custody Record

eurofins | Environment Testing TestAmerica

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information		Client Project Manager: MNeal	Samples Collected By: Michael R. Neal	COC No: 1 of 1 COCs
Company Name: AET		Phone: 7155615645		TALS Project #:
Address: 1837 CTH OO		Email: mneal@teamaet.com		For Lab Use Only: Walk-in Client: Lab Sampling:
City/State/Zip: Chippewa Falls, WI 54729				Job / SDG No.:
Phone: 715 861 5045		Site Contact:		(See below for Add'l Items)
FAX:		Tel/Fax		
Project Name: Laundromat Property		Analysis Turnaround Time		
Site/Location: Menomonie, WI		Standard (Specific): X		
P O # 151745 28		Rush (Specifiy):		

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
Sewer Clean-Out	5-24-23	6:59	5-24-23	7:39	28	2	09893	12192	X													X	Sewer Clean-Out
Custody Seal Intact																							
Received Ambient																							
DH 5/26/23																							
1 Box FedEx 7722 4017 2547 G																							
1 Can / 1 Flow (OF)(IR)																							

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

500-234429 Chain of Custody

Special Instructions/QC Requirements & Comments:

Samples Shipped by: AET	Date / Time: 5-24-23 15:30	Samples Received by: Dean Hutch - ETA KWX	5/26/23 12:00
Samples Relinquished by:	Date / Time:	Received by:	
Relinquished by:	Date / Time:	Received by:	
Lab Use Only: Shipper Name:	Opened by:	Condition:	

Form No. CA-C-WI-003, Rev. 2.23, dated 5/4/2020

Loc: 500
234429

AET Project No. P-0011071

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Log In Number:

Review Items	Yes	No	NA	If No, what was the problem?
1. Are the shipping containers intact?	✓			☐ **Containers, Broken**
2. Were ambient air containers received intact?			✓	☑ Checked in lab
3. The coolers/containers custody seal if present, is it intact?	✓			☐ Yes ☐ NA
4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID :_____ Correction factor: _____			✓	☐ **Cooler Out of Temp, Client Contacted, Proceed/Cancel** ☐ **Cooler Out of Temp, Same Day Receipt**
5. Were all of the sample containers received intact?	✓			☐ **Containers, Broken**
6. Were samples received in appropriate containers?	✓			☐ **Containers, Improper; Client Contacted; Proceed/Cancel**
7. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **COC & Samples Do Not Match** ☐ **COC Incorrect/Incomplete** ☐ **COC Not Received**
8. Were all of the samples listed on the COC received?	✓			☐ **Sample Received, Not on COC** ☐ **Sample on COC, Not Received**
9. Is the date/time of sample collection noted?	✓			☐ **COC; No Date/Time; Client Contacted**
10. Was the sampler identified on the COC?	✓			☐ **Sampler Not Listed on COC**
11. Is the client and project name/# identified?	✓			☐ **COC Incorrect/Incomplete**
12. Are tests/parameters listed for each sample?	✓			☐ **COC No tests on COC**
13. Is the matrix of the samples noted?	✓			☐ **COC Incorrect/Incomplete**
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **COC Incorrect/Incomplete**
15. Were samples received within holding time?	✓			☐ **Holding Time - Receipt**
16. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **pH Adjusted, pH Included (See box 16A)** ☐ **Incorrect Preservative**
17. Were VOA samples received without headspace?			✓	☐ **Headspace (VOA only)**
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number: _____			✓	☐ **Residual Chlorine**
19. For 1613B water samples is pH<9?			✓	☐ If no, notify lab to adjust
20. For rad samples was sample activity info. Provided?			✓	☐ Project missing info

Comments/Actions Taken

Labeling Verified by: **Date:**

pH test strip lot number:

Box 16A: pH Preservation	Box 18A: Residual Chlorine
Preservative:	
Lot Number:	
Exp Date:	
Analyst:	
Date:	
Time:	

Project #: 50007204 PM Instructions:

Sample Receiving Associate: Dean Hicks Date: 5/26/23

QA026R32.doc, 062719

Eurofins Knoxville - Air Canister Initial Pressure Check

Gauge ID: G5
Date/Time: 5/26/23 1534

Analyst	Sample ID	Pressure @ Receipt (-in Hg or +psig)/initial pressurisation (if applicable)	Asset #	Cleaning Job	Cert Type	Size (L)	Comments
hmt	500-234429-A-1	-1.9	12192	140-30875-A-10	b	6	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville Job No.: 140-30875-1

SDG No.:

Client Sample ID: 12008 Lab Sample ID: 140-30875-1

Matrix: Air Lab File ID: C10L30875.D

Analysis Method: TO 15 LL Date Collected: 03/09/2023 16:20

Sample wt/vol: 500(mL) Date Analyzed: 03/11/2023 03:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 71092 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.080	
79-00-5	1,1,2-Trichloroethane	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND		0.080	
75-34-3	1,1-Dichloroethane	ND		0.080	
75-35-4	1,1-Dichloroethene	ND		0.040	
87-61-6	1,2,3-Trichlorobenzene	ND		0.40	
96-18-4	1,2,3-Trichloropropane	ND		0.20	
526-73-8	1,2,3-Trimethylbenzene	ND		0.080	
95-93-2	1,2,4,5-Tetramethylbenzene	ND		0.080	
120-82-1	1,2,4-Trichlorobenzene	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	ND		0.080	
96-12-8	1,2-Dibromo-3-Chloropropane	ND		0.16	
106-93-4	1,2-Dibromoethane	ND		0.080	
95-50-1	1,2-Dichlorobenzene	ND		0.080	
107-06-2	1,2-Dichloroethane	ND		0.080	
78-87-5	1,2-Dichloropropane	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	ND		0.16	
106-99-0	1,3-Butadine	ND		0.16	
541-73-1	1,3-Dichlorobenzene	ND		0.080	
106-46-7	1,4-Dichlorobenzene	ND		0.080	
123-91-1	1,4-Dioxane	ND		0.20	
71-36-3	1-Butanol	ND		0.80	
90-12-0	1-Methylnaphthalene	ND		1.0	
540-84-1	2,2,4-Trimethylpentane	ND		0.20	
565-59-3	2,3-Dimethylpentane	ND		0.080	
78-93-3	2-Butanone	ND		0.32	
95-49-8	2-Chlorotoluene	ND		0.16	
591-78-6	2-Hexanone	ND		0.20	
78-78-4	2-Methylbutane	ND		0.20	
91-57-6	2-Methylnaphthalene	ND		1.0	
107-83-5	2-Methylpentane	ND		0.080	
107-05-1	3-Chloroprene	ND		0.080	

FORM I TO 15 LL

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville Job No.: 140-30875-1

SDG No.:

Client Sample ID: 12008 Lab Sample ID: 140-30875-1

Matrix: Air Lab File ID: C10L30875.D

Analysis Method: TO 15 LL Date Collected: 03/09/2023 16:20

Sample wt/vol: 500(mL) Date Analyzed: 03/11/2023 03:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 71092 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
622-96-8	4-Ethyltoluene	ND		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.20	
67-64-1	Acetone	ND		2.0	
75-05-8	Acetonitrile	ND		0.40	
107-02-8	Acrolein	ND		0.40	
107-13-1	Acrylonitrile	ND		0.80	
98-83-9	Alpha Methyl Styrene	ND		0.16	
71-43-2	Benzene	ND		0.080	
100-44-7	Benzyl chloride	ND		0.16	
75-27-4	Bromodichloromethane	ND		0.080	
75-25-2	Bromoform	ND		0.080	
74-83-9	Bromomethane	ND		0.080	
106-97-8	Butane	ND		0.16	
75-15-0	Carbon disulfide	ND		0.20	
56-23-5	Carbon tetrachloride	ND		0.032	
108-90-7	Chlorobenzene	ND		0.080	
75-45-6	Chlorodifluoromethane	ND		0.080	
75-00-3	Chloroethane	ND		0.080	
67-66-3	Chloroform	ND		0.080	
74-87-3	Chloromethane	ND		0.20	
156-59-2	cis-1,2-Dichloroethene	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	ND		0.080	
98-82-8	Cumene	ND		0.16	
110-82-7	Cyclohexane	ND		0.20	
124-48-1	Dibromochloromethane	ND		0.080	
74-95-3	Dibromomethane	ND		0.16	
75-71-8	Dichlorodifluoromethane	ND		0.080	
64-17-5	Ethanol	ND		2.0	
141-78-6	Ethyl acetate	ND		0.80	
60-29-7	Ethyl ether	ND		0.80	
100-41-4	Ethylbenzene	ND		0.080	
87-68-3	Hexachlorobutadiene	ND		0.080	
110-54-3	Hexane	ND		0.20	
496-11-7	Indane	ND		0.080	

FORM I TO 15 LL

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville Job No.: 140-30875-1

SDG No.:

Client Sample ID: 12008 Lab Sample ID: 140-30875-1

Matrix: Air Lab File ID: C10L30875.D

Analysis Method: TO 15 LL Date Collected: 03/09/2023 16:20

Sample wt/vol: 500(mL) Date Analyzed: 03/11/2023 03:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 71092 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
95-13-6	Indene	ND		0.16	
67-63-0	Isopropyl alcohol	ND		0.80	
80-62-6	Methyl methacrylate	ND		0.20	
1634-04-4	Methyl tert-butyl ether	ND		0.16	
108-87-2	Methylcyclohexane	ND		0.080	
75-09-2	Methylene Chloride	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	ND		0.080	
91-20-3	Naphthalene	ND		0.20	
104-51-8	n-Butylbenzene	ND		0.16	
124-18-5	n-Decane	ND		0.40	
112-40-3	n-Dodecane	ND		0.40	
142-82-5	n-Heptane	ND		0.20	
111-84-2	n-Nonane	ND		0.20	
111-65-9	n-Octane	ND		0.16	
103-65-1	N-Propylbenzene	ND		0.16	
95-47-6	o-Xylene	ND		0.080	
99-87-6	p-Cymene	ND		0.080	
109-66-0	Pentane	ND		0.40	
115-07-1	Propene	ND		1.0	
135-98-8	sec-Butylbenzene	ND		0.16	
100-42-5	Styrene	ND		0.080	
75-65-0	tert-Butanol	ND		0.32	
98-06-6	tert-Butylbenzene	ND		0.20	
127-18-4	Tetrachloroethene	ND		0.040	
109-99-9	Tetrahydrofuran	ND		0.40	
110-02-1	Thiophene	ND		0.080	
108-88-3	Toluene	ND		0.12	
156-60-5	trans-1,2-Dichloroethene	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	ND		0.080	
79-01-6	Trichloroethene	ND		0.036	
75-69-4	Trichlorofluoromethane	ND		0.080	
1120-21-4	Undecane	ND		0.40	
108-05-4	Vinyl acetate	ND		0.40	
593-60-2	Vinyl bromide	ND		0.080	

FORM I TO 15 LL

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville Job No.: 140-30875-1

SDG No.:

Client Sample ID: 12008 Lab Sample ID: 140-30875-1

Matrix: Air Lab File ID: C10L30875.D

Analysis Method: TO 15 LL Date Collected: 03/09/2023 16:20

Sample wt/vol: 500(mL) Date Analyzed: 03/11/2023 03:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 71092 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
75-01-4	Vinyl chloride	ND		0.040	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Knoxville Job No.: 140-30875-1

SDG No.:

Client Sample ID: 12008 Lab Sample ID: 140-30875-1

Matrix: Air Lab File ID: C10L30875.D

Analysis Method: TO 15 LL Date Collected: 03/09/2023 16:20

Sample wt/vol: 500(mL) Date Analyzed: 03/11/2023 03:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 71092 Units: ppb v/v

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
488-23-3	1,2,3,4-Tetramethylbenzene TIC		ND		
527-53-7	1,2,3,5-Tetramethylbenzene TIC		ND		
934-80-5	1,2-Dimethyl-4-Ethylbenzene TIC		ND		
872-55-9	2-Ethylthiophene TIC		ND		
554-14-3	2-Methylthiophene TIC		ND		
616-44-4	3-Methylthiophene TIC		ND		
95-15-8	Benzo(b)thiophene TIC		ND		

Report Date: 13-Mar-2023 11:34:06 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20230309-27296.b\C10L30875.D				
Lims ID:	140-30875-A-1				
Client ID:	12008				
Sample Type:	Client				
Inject. Date:	11-Mar-2023 03:19:30	ALS Bottle#:	17	Worklist Smp#:	25
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0027296-025				
Misc. Info.:	12008				
Operator ID:		Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20230309-27296.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	13-Mar-2023 11:34:05	Calib Date:	09-Jan-2023 23:18:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20230109-26581.b\ICRA09LVL7.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1636				
First Level Reviewer: khachitpongpanits		Date:	13-Mar-2023 11:34:05		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.722	8.738	-0.016	97	81512	3.76	
* 2 1,4-Difluorobenzene	114	10.960	10.970	-0.010	95	469519	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.905	15.921	-0.016	88	435457	3.92	
$ 4 4-Bromofluorobenzene (Surr)	95	17.587	17.598	-0.011	90	278124	2.98	

QC Flag Legend

Processing Flags

Reagents:

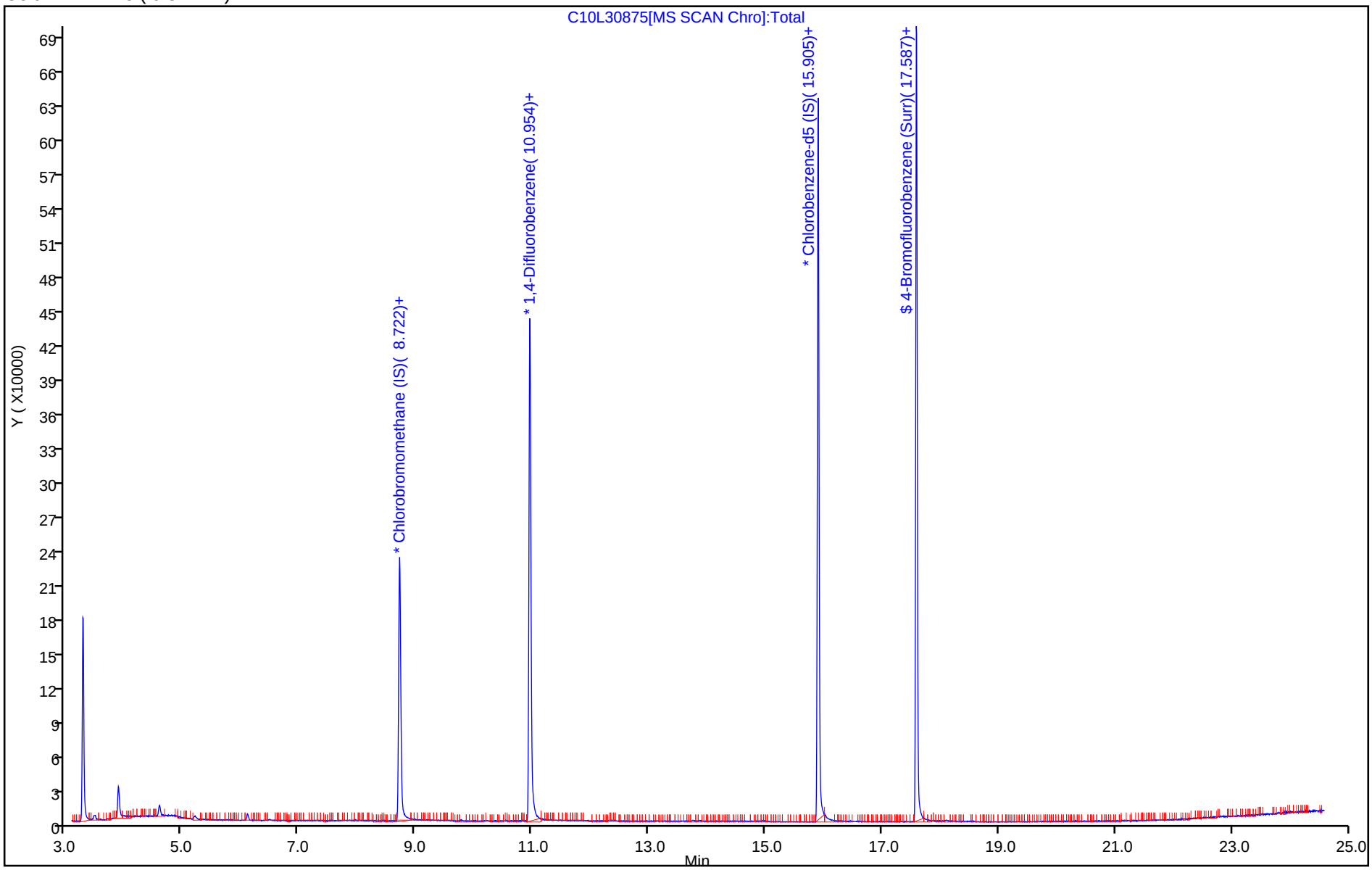
40MXISSUR_00003 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 13-Mar-2023 11:34:06 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20230309-27296.b\C10L30875.D				
Injection Date:	11-Mar-2023 03:19:30	Instrument ID:	MR	Operator ID:	
Lims ID:	140-30875-A-1	Lab Sample ID:	140-30875-1	Worklist Smp#:	25
Client ID:	12008				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Report Date: 13-Mar-2023 11:34:06 Chrom Revision: 2.3 15-Feb-2023 20:44:50

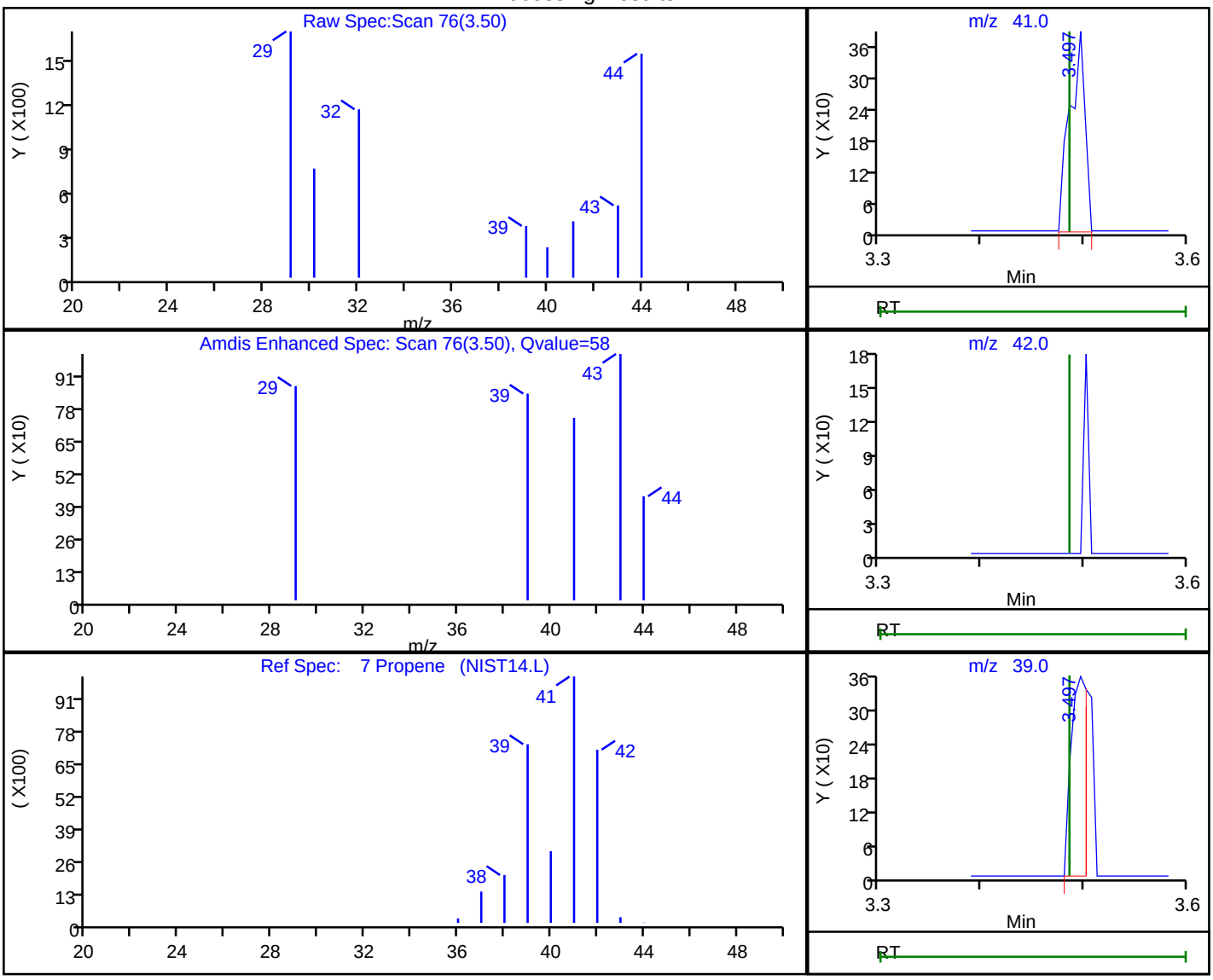
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20230309-27296.b\C10L30875.D				
Injection Date:	11-Mar-2023 03:19:30	Instrument ID:	MR		
Lims ID:	140-30875-A-1	Lab Sample ID:	140-30875-1		
Client ID:	12008				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	25
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

7 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
3.50	41.00	399	0.014436
3.49	42.00	0	
3.50	39.00	392	

Reviewer: khachitpongpanits, 13-Mar-2023 11:33:57

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

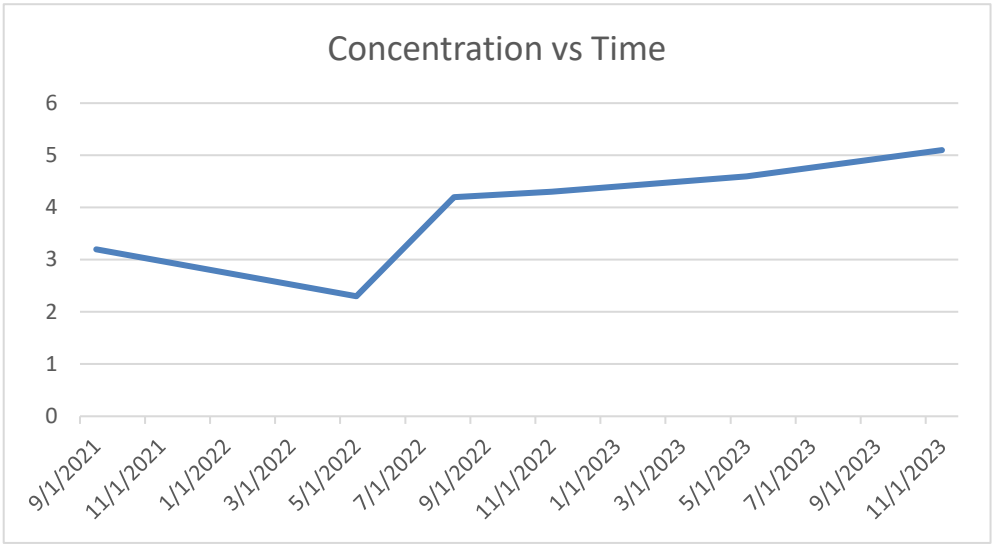
Appendix E

Concentration verses Time Graphs

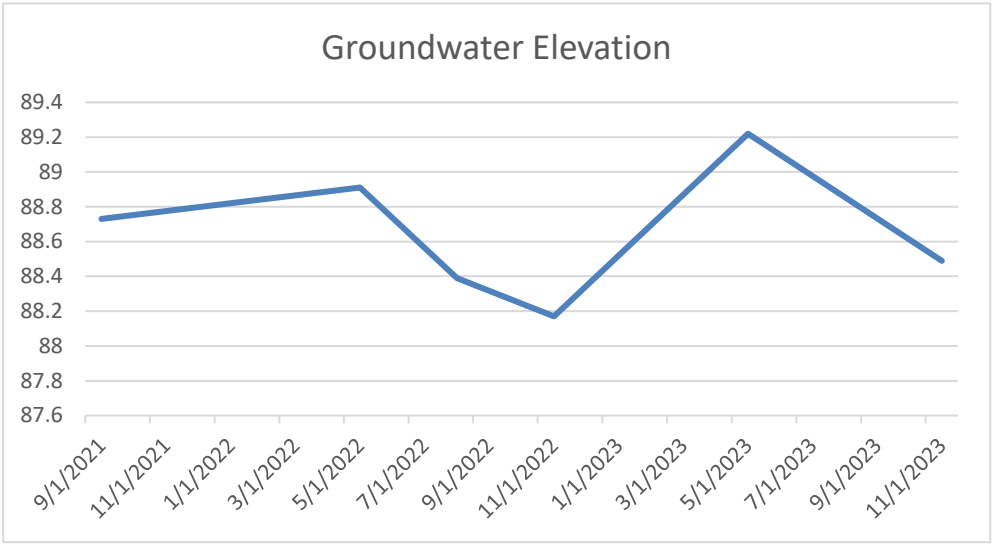
A.7.a Concentration vs Time Graphs

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN - MW-1

Date	Series 1 PCE
9/15/2021	3.2
5/10/2022	2.3
8/2/2022	4.2
11/1/2022	4.3
5/23/2023	4.6
11/20/2023	5.1



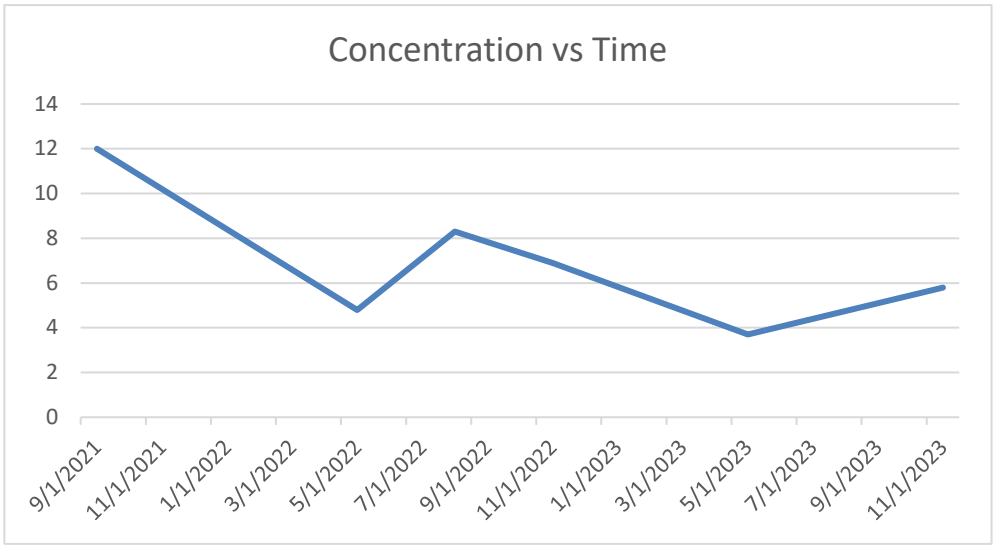
Date	Series 1 GW Elevation
9/15/2021	88.73
5/10/2022	88.91
8/2/2022	88.39
11/1/2022	88.17
5/23/2023	89.22
11/20/2023	88.49



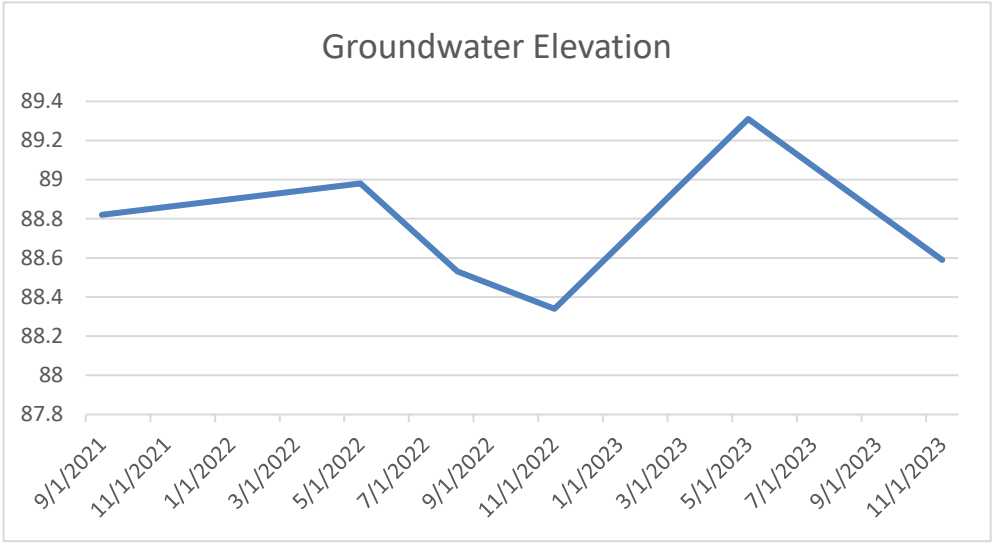
A.7.a Concentration vs Time Graphs

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN - MW-2

Date	Series 1 PCE
9/15/2021	12
5/10/2022	4.8
8/2/2022	8.3
11/1/2022	6.9
5/23/2023	3.7
11/20/2023	5.8



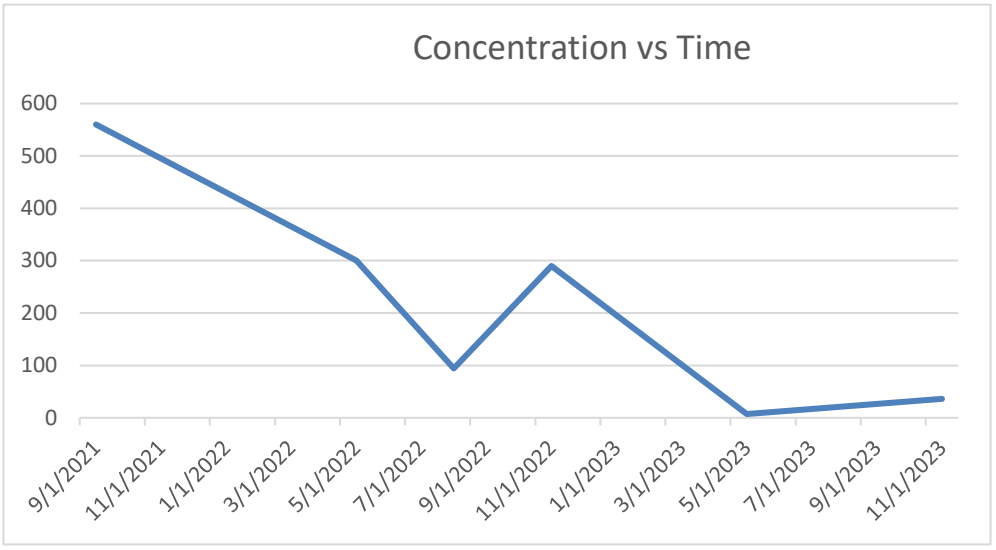
Date	Series 1 GW Elevation
9/15/2021	88.82
5/10/2022	88.98
8/2/2022	88.53
11/1/2022	88.34
5/23/2023	89.31
11/20/2023	88.59



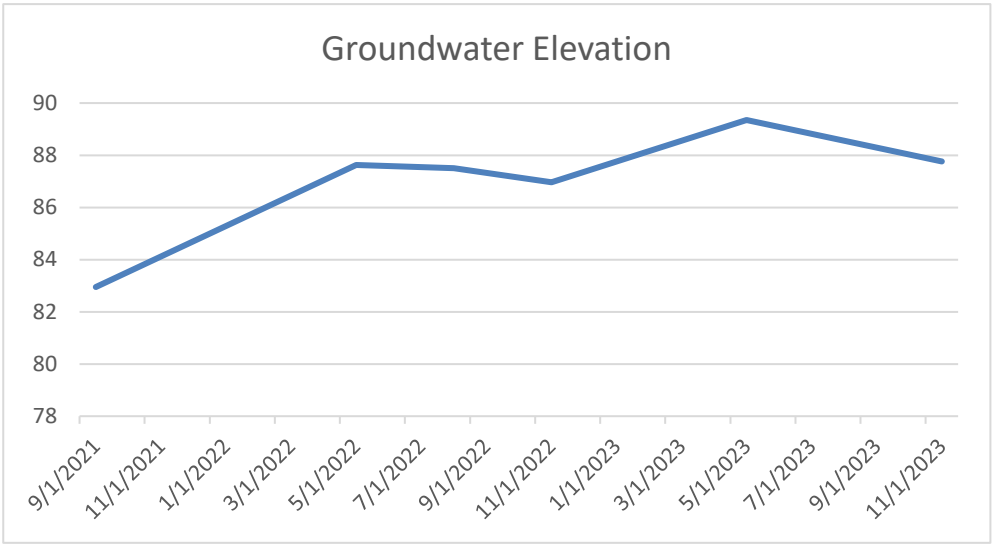
A.7.a Concentration vs Time Graphs

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN - MW-3

Date	Series 1 PCE
9/15/2021	560
5/10/2022	300
8/2/2022	94
11/1/2022	290
5/23/2023	7.2
11/20/2023	36



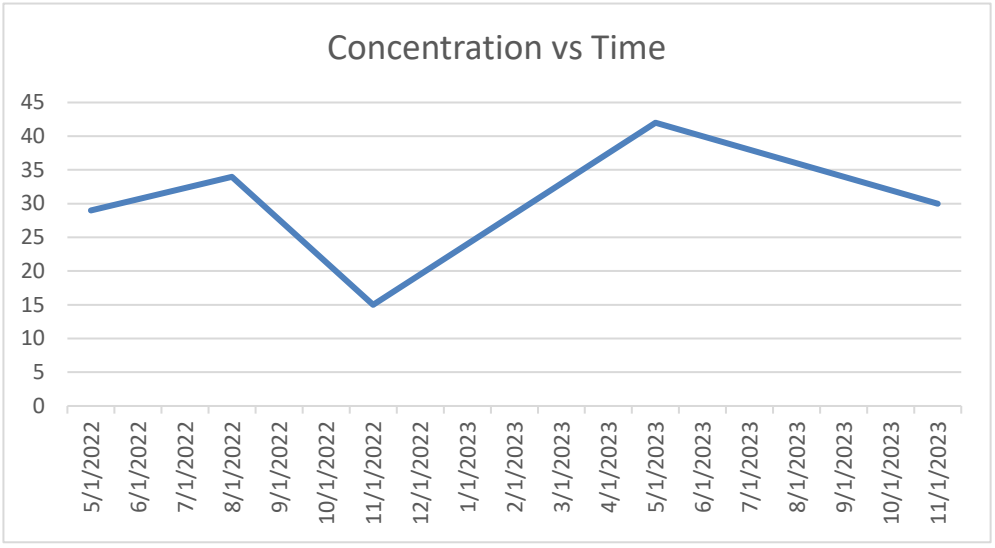
Date	Series 1 GW Elevation
9/15/2021	82.95
5/10/2022	87.63
8/2/2022	87.51
11/1/2022	86.96
5/23/2023	89.35
11/20/2023	87.76



A.7.a Concentration vs Time Graphs

LAUNDROMAT PROPERTY SITE, MENOMONIE, WISCONSIN - MW-6

Date	Series 1 PCE
5/11/2022	29
8/2/2022	34
11/1/2022	15
5/23/2023	42
11/20/2023	30



Date	Series 1 GW Elevation
5/11/2022	87.27
8/2/2022	87.12
11/1/2022	87.09
5/23/2023	87.52
11/20/2023	87.32