

**PHASE II ENVIRONMENTAL SITE ASSESSMENT
And
REGULATED BUILDING MATERIALS SURVEY**

**600 Ridge Road
Webster, New York**

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1.0 INTRODUCTION

Day Engineering, P.C. (DAY) prepared this report for Monroe County Department of Environmental Services (Client) in accordance with the provisions of a proposal dated June 27, 2022 and an addendum proposal dated January 9, 2023. This report describes the results of a Phase II Environmental Site Assessment (Phase II ESA) completed to evaluate environmental conditions on the property addressed as 600 Ridge Road, Webster, New York (the Site). In addition, Watts Architects & Engineers (Watts) was retained to complete a regulated building material survey to evaluate building materials within structures on the Site for asbestos-containing materials (ACM), lead-based paint (LBP), and polychlorinated biphenyl (PCB) containing materials. A copy of the report prepared by Watts titled *Pre-Renovation Survey for Asbestos-Containing Materials, Lead Paint, Polychlorinated Biphenyls in Caulk/Sealants* is included in Appendix A. A Project Locus map is included as Figure 1 and an aerial image of the Site is presented on Figure 2.

1.1 Background

The 0.25-acre Site is currently vacant and it is developed with an approximate 2,350 square foot structure containing a basement and an approximate 1,600 square foot second story apartment on the southern portion of the building and a separate approximate 700 square foot garage. The power and water to the property has been shut off. The main building is dilapidated, with wooden furniture strewn throughout the basement and main floor. The toilet and sink have been pulled from the wall/floor. The roof in the rear of the main building is caved in and water damage is evident throughout the building. There is an approximate 25 square foot dirt floor area in the basement of the main building and an approximate 2-inch wide strip of soil between concrete slabs in the southeast portion of the basement. Drains in the main building appear to exit the north side of the basement. Two exterior vents were observed on the north portion of the building, both approximately 7 feet above the ground surface. The garage is also dilapidated, with numerous broken roof tiles and various pieces of wooden furniture present throughout the garage. One unlabeled apparently empty 55-gallon steel drum and various apparently empty containers were observed in the garage. An addition appears to have been made to the east portion of the garage. A vent is located on the west wall of the garage near an apparent exhaust system and another vent is located on the eastern portion of the north wall. A floor drain is located in the western portion of the garage.

The majority of the exterior of the Site is covered by asphalt or concrete, with the exception of an area north of the garage and a small area between the main building and the garage. The asphalt pavement area northwest of the main building is covered by approximately 2 to 4 inches of dark brown soil/fill comprised primarily of silt.

The Site was occupied by Webster Furniture Strippers from at least the early 1980s until approximately 2005-2006. Webster Furniture Strippers completed paint stripping operations at the Site to remove paint/stain from wooden furniture using a methylene chloride based paint stripper, oxalic acid to bleach wood, sanding of wooden furniture, and painting/staining of wooden furniture. The property has been vacant from 2006 until present.

1.2 Applicable Project Standards, Criteria and Guidance

The potentially applicable standards, criteria and guidance documents referenced as part of the Phase II ESA are summarized below:

- New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical Operations and Guidance Series 1.1.1: Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (TOGS 1.1.1) dated June 1998, as supplemented by an Errata Sheet dated January 1999 and addendums dated April 2000 and June 2004
- Guidelines referenced in the New York State Department of Health (NYSDOH) document titled “Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York” dated October 2006 (NYSDOH Guidance Document).
- Guidelines referenced in the NYSDEC document titled “DER-10 Technical Guidance for Site Investigation and Remediation”, dated May 2010 (DER-10).
- Soil Cleanup Objectives (SCO) and other guidance as set forth in 6 New York Codes, Rules and Regulation (NYCRR) Part 375-1 and Part 375-2 Inactive Hazardous Waste Disposal Site Remediation Program dated December 14, 2006.
- Soil Cleanup Levels (SCL) and other guidance as set forth in NYSDEC Final Commissioner Policy CP-51, dated October 21, 2010.

1.3 Purpose

The purpose of the work described herein was to develop an opinion regarding possible environmental impacts in soil, groundwater, soil vapor, and building materials at the Site. To accomplish this purpose, limited subsurface studies, and sampling/testing of select soil/groundwater and vapor samples; and a survey of regulated building materials present within the structures located at the Site were completed as described in this report.

1.4 Limitations

A Phase I Environmental Site Assessment (Phase I ESA) was not completed for the Site. As such, environmental due diligence requirements of a Phase I ESA, as outlined in ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E1527-13 or E1527-21, were not completed. Without the completion of a Phase I ESA, the potential presence of Recognized Environmental Conditions (RECs) at the Site, including RECs attributable to adjoining properties, cannot be fully evaluated. This Phase II ESA does not substitute for a Phase I ESA. The findings and conclusions presented in the Phase II ESA report are based upon an evaluation of a limited number of samples collected during this study and DAY’s interpretation of this data. Conditions between sample locations may vary. The findings and conclusions of the regulated building materials survey were developed by Watts, and the limitations of this survey are stated in the report presented in Appendix A of this document. The findings and conclusions presented herein should be considered as a professional opinion. If additional data becomes available in the future, it may be necessary to re-evaluate the opinions expressed in this report.

2.0 DOCUMENTATION REVIEW

The Client provided DAY copies of available documentation describing conditions at the Site and potential environmental impacts. A summary of this documentation is presented below. Copies of these documents are included in Appendix B.

NYSDEC Spill 8804759, dated August 30, 1998

This spill was reported on August 30, 1998, and the spill report form (SRF) states “Anonymous notifier reported owner of furniture stripping place dumping used chemicals in road. First reported to law enforcement” and “PM investigated site. Inspected around shop and could see no sign of contamination or spillage. Report may have been from ex-disgruntled employee. Tim Finch (Owner) and Jeff MacKenzie (Manager) said they dispose of their waste in the dumpster. Waste consists of wood chips and sludge from stripping tanks.”. This spill was closed on August 30, 1998.

Letter from Dorothy Kerson to Dan Walsh, NYSDEC, re: Webster Furniture Strippers, dated September 29, 1991.

Ms. Kerson submitted a narrative of her personal experiences and observations concerning Webster Furniture Strippers, which included the following statements:

- “...in the early 80’s, a bucket of chemical waste was dumped out the front of their building flowed down over plant life”
- “There was a fire in the stripping area of their facility early in the 80’s...”
- “Sometime during ’85 noxious odors became apparent and subsequently I started having allergic reactions – mild at first, such as, headache, itchy eyes and skin, but progressing to severe flu-like symptoms necessitating medications and bed rest...”
- “When they requested a variance from the Town of Webster to extend the front of their garage building to accommodate the need for more storage space for furniture to be stripped, I did not object...” “From then to the present time the situation has gone from bad to worse. Overwhelming fumes required closing up our house and putting on the central air-conditioning when weather permitted.”
- “There has also been a high incidence of cancer deaths in my dogs – 4 in all – 1 in ’83, 1 in ’90 and 2 in ’91.”
- “...during the past month I have taken photographs of burned foliage at the front and rear of this facility which show clearly the proximity of their venting to the foliage”.

Letter from Dorothy Kerson to Kevin Crouch, Fire Chief, West Webster Fire Department, dated September 29, 1991

Ms. Kerson’s letter to the West Webster Fire Department stated that the “New York State DEC is currently investigating ‘Webster Furniture Strippers’ for any possible code violations” and requested “the date of the fire that occurred in their garage stripping building sometime, I believe, in the early 80’s and any other incidents which I am not presently aware of which could be relevant to this study.”

Letter from Dorothy Kerson to John Gorman, Chief N. Y. Compliance Section, U. S. Environmental Protection Agency, dated October 23, 1991.

The letter from Ms. Kerson included the following statement “to date only the hazardous waste inspection has been done and that did not address the possibility of ground water or soil contamination nor the apparent inequity between the amount of solvents used for the past eight years and only one hazardous waste pick-up by Environmental Products and Services according to the hazardous waste manifest in the generator’s files”.

Inspection Report – Webster Furniture Strippers Company (WFSC) Webster, New York, From Yue on Chiu, Environmental Engineer, To: Karl Mangels, Chief, dated December 2, 1991.

USEPA and NYSDEC representatives completed an inspection on November 26, 1991 to investigate a complaint (10/23/91) regarding emissions of methylene chloride from this facility. The inspection report included the following information:

“WFSC is a small two-building operation that strips paint off wooden furniture and refinish (sic) them. The paint stripping is performed in a small shack-like building that consists of a 3’x6’ dip tank, a 3’x6’ sink, and a 3’x6’ bleach tank (dimensions are approximate). The dip tank and the sink use an 89% methylene chloride solvent (“Kwick Klean” solvent). Furniture are soaked in the dip tank to loosen the paints, and then they are sprayed, on the sink, with solvent to remove the paint. Approximately 5 gallons of solvents are sprayed onto the furniture at the sink and the unevaporated solvent are reused when possible. By recycling, both the dip tank and the sink use approximately 3 to 4 55-gallon drums of solvent per months in the recent two years (they used 8 drums/month prior to the last two years). The bleach tank uses approximately 40-50 pounds of non-volatile oxalic acid (diluted with water) for bleaching wood furniture after their paints were stripped. We were told that chemical supplier said the oxalic acid was “EPA-safe” for dumping into the sewer.”

“The stripped furniture are (sic) refinished in the spray booth located in the adjacent building. WFSC uses approximately 4 to 5 gallons of lacquer per week for refinishing. Furniture are (sic) also sanded in a sanding room in this building.”

In addition, the inspection report states that the NYSDEC representative present at the Site inspection indicated that “WFSC has submitted permit applications for its spray painting and furniture stripping operations; however, he cannot locate them or WFSC’s previous (1984-1989) permits. Therefore, we cannot cite WFSC for a permit violation.”

“...the furniture stripping solvents (86% methylene chloride) are allowed to completely evaporate into the open air through two doors and one vent on the side of the building (approximately 7 feet off the ground). Emissions from the paint spray booth, located in the adjacent building, are also allow (sic) to exhaust through a vent on the side of that building (also approximately 7 feet from the ground). No controls were installed for both operations.”

Memorandum re: Webster Furniture Stripping, Impact of Facility to Kerson Residence, from Monroe County Health Department Bureau of Public Health Engineering, dated December 17, 1991.

Edward Yurkstas of the Monroe County Health Department (MCDH) visited the Kerson residence (i.e., 1021 Gravel Road, Webster, New York) on December 12, 1991. His memorandum included the following information.

- “I observed a large kennel complex at the rear of the property and noted a slight solvent-like odor. Ms. Kerson was not at home. The source of the odor appeared to be emanating from an exhaust fan on the north wall (east end) of the main building at Webster Furniture Stripping.”
- “The main building (*Webster Furniture Stripping*) contained sanding and coating process exhaust systems. A stripping operation was located in an adjacent garage at the rear of the building. It was inoperable during my inspection but generally functions on Tuesdays and Thursdays. A single exhaust fan with a floor pickup discharges from the rear wall on the west side of the building.”
- “The (*Webster Furniture Stripping*) process consists of a dip tank for softening surface coatings, a wash tank utilizing brushes connected to hoses for recirculating stripping solutions, a bleach tank containing oxalic acid solution and a water rinse area discharging to a floor drain. The liquid discharge is approved by the Webster Sewer District. The process utilizes Kwick Kleen paint removal consisting of methylene chloride (DCM), methanol, sodium and potassium hydroxide.”
- “A drum storage area (*for Webster Furniture Stripping*) is located between the garage and the main building. Sludge is collected, evaporated and then removed by a certified waste hauler”...”observed caked particulate on the dampers of the sanding exhaust fan (N wall-E) and noted an odor of DCM. A solvent-like odor was also emanating from the coating exhaust (N wall-W)”.
- “Calculations by DEC indicated that the (*Webster Furniture Stripping*) stripping process emissions exceeded the AIR-I Guideline Concentrations. The facility owner was advised that an increase in stack height is needed to provide for adequate dispersion. DEC was informed that solvent usage had decreased by one-half since the original inventory was submitted.”

Information request from the USEPA to Mr. Doug Finch, Owner of Webster Furniture Stripping Company, dated July 8, 1992

The USEPA requested information from WFSC to assist in determining if WFSC was in compliance with the requirement set forth in 6 NYCRR Part 201, Permits and Certifications.

Letter from Daniel E. Walsh, NYSDEC to Doug Finch, Webster Furniture Stripping, dated November 12, 1992

The letter from the NYSDEC to Mr. Doug Finch included reference to an inspection of the facility on October 14, 1992. The letter also stated: "There are no currently valid permits on file with this Department for your sources of air emissions.", "...one in the detached garage for the stripping...", "...two in the main building, one for the sanding operation and one for the finishing operation...", "...the proposed modifications include raising the exhaust points to reduce emission impacts on your neighbors."

Letter from Webster Furniture Stripping to NYSDEC, received at NYSDEC December 18, 1992

Mr. Finch provided an update to the NYSDEC regarding the status of permit applications. Mr. Finch stated "After receiving (sic) your letter dated Nov 12th I halted the installation of exhaust equipment...", "I did not realize that we did not have current permits to operate that particular fan or the two exhaust fans in the Main Building...", "The engineer will be back in town by Thur. Dec 17th, hopefully I will be able to submit applications shortly after that date."

Notice of Incomplete Application, from NYSDEC to Webster Furniture Stripping, dated February 11, 1993.

This notice of incomplete application indicated that Webster Furniture Stripping applied for permits for "Process, Exhaust, Ventilation (construct)"; however, the permit was incomplete and required a completed application form, completed Part I of the Short Environmental Assessment Form, and a Project Location Map.

Letter re: Air Contamination Sources, from James H. Norsen, NYSDEC, to Doug Finch, Webster Furniture Stripping, dated June 9, 1993.

Mr. Norsen conducted an inspection of the facility on May 28, 1993, at which time WFSC continued to operate a furniture stripping exhaust and a furniture finishing exhaust. The sanding operation and the bleaching tank had been abandoned. Applications for Certificates to Operate the stripping and finishing systems submitted to the NYSDEC were found to be incomplete.

Notice of Incomplete Application, DEC 8-2654-00047/00001-0, from NYSDEC to Mr. Doug Finch, Webster Furniture Stripping, dated September 15, 1993

This notice of incomplete application indicated that: "The methylene chloride emissions from the source area are nine times the permissible limit. Department staff will require control technology for both sources...", "Respondent does not possess a valid certificate to operate the dip tank and related furniture stripping operations in which solvents are applied."

Notice of Violation from Daniel Walsh, NYSDEC to Mr. Doug Finch, Webster Furniture Stripping, dated September 19, 2000

The Notice of Violation states: "On September 13, 2000, James Norsen of this office inspected your facility in response to recent complaints about odors from solvent emissions at your facility."

The recent inspection and a review of our files shows solvent odors have been an ongoing problem since at least 1991 and that you failed to complete required permitting activities in 1993.” ”The permitting process revealed that the environmental impact of methylene chloride for your stripping tank was unacceptable and, therefore, unpermittable by this Department. Because of your failure to complete the permitting process in a timely and acceptable manner, you have been, and continue to be, in violation of the New York State air pollution control regulations. In particular, you are in violation of 6NYCRR Part 201 for failure to obtain the require air permits, Part 211 for causing nuisance odor emissions for your neighbors and Part 212 for failure to properly control and/or mitigate methylene chloride emissions.”

Notice of Violation from James H. Norsen, NYSDEC to Mr. Doug Finch, Webster Furniture Stripping, dated October 16, 2000

The Notice of Violation states: “We have not received a schedule of compliance or the other information referred to in Mr. Walsh’s letter dated September 19, 2000.” ”Since you have continued to operate in violation of DEC regulations and have had ample time to comply with these regulations, we have no alternative but to refer this matter to our Legal Division for appropriate action. A referral is being prepared at this time.”.

Letter from Cathryn C. Thomas, Town Supervisor, Town of Webster, to Mr. John Hicks, NYSDEC, dated May 8, 2001.

The letter from the Town of Webster to the NYSDEC included a formal request for the NYSDEC to pursue legal action necessary to compel Webster Furniture Stripping to install improvements that would resolve the problem of fumes escaping the building and property occupied by Webster Furniture Stripping.

Letter from Paul J. D’Amato, Regional Attorney, NYSDEC to Cathryn C. Thomas, Town Supervisor, Town of Webster, dated August 6, 2001.

Mr. D’Amato replied to Ms. Thomas’ letter dated May 8, 2001 stating that: “I can assure you that this file is active and appropriate agency action will be taken in the very near future”.

Letter re Permitting Activity Schedule from Daniel Walsh, NYSDEC to Doug Finch, WFSC, dated June 4, 2002.

This letter states that Mr. Finch had agreed to submit a written schedule by June 10, 2002 that would include dates Mr. Finch will 1) submit a complete approvable application for an air permit, 2) install an emission control system and/or suitable exhaust stack, and 3) obtain final permit approval for the furniture stripping exhaust.

Letter from Doug Finch, WFSC to Daniel Walsh, NYSDEC, dated June 10, 2002.

This letter states that Mr. Finch submitted information to N.Y.S. Environmental Facilities Corp. and that a suitable exhaust stack would be in place by August 16, 2002.

Letter re Continuing Violations from Daniel Walsh, NYSDEC to Doug Finch, WFSC, dated September 6, 2002.

This letter states: "...this Department has not received the information required to demonstrate that your furniture stripping operation is in compliance with New York state air pollution control regulations." "...it is my understanding that you continue to operate your furniture stripping operation without having completed the required actions committed to in your June 10, 2002 letter. If this is the case, you must stop this activity immediately and not resume until you have received the required permit(s) from this department."

Letter re: Continuing Operation of Unpermitted Source from Daniel Walsh, NYSDEC to Doug Finch, WFSC, dated March 10, 2003.

This letter states: "I understand that as of this autumn, you were continuing to operate the methylene chloride based paint stripping process that has led to so many complaints from your neighbors. I also understand that you discontinued use of the wall mounted exhaust fan and moved the stripping equipment away from the fan and closer to the overhead doors in front of the building."

Notice to Remedy, from Town of Webster Building Department, to Phillips Lytle, Attn: Mr. Richard Evans, Representing: Tower Financial, dated September 26, 2016

This notice was observed posted on the rear exterior wall of the main building. It stated that the building was posted as "Unsafe". This posting states that the building is unsafe and its use or occupancy is prohibited. This is due to the continuing deterioration of the front façade and collapsing roof in the rear area of the building.

Summary of Site Visit and Photos, December 21, 2017

It is not specifically stated who conducted this Site visit. A summary of notes provided for this Site visit is presented below.

- A rusty stripping tank was located in the garage. Residual black sludge and sawdust with odors were located inside this tank. A PID reading of greater than 100 parts per million (ppm) was measured above the sludge and sawdust.
- Staining was observed on the floor below the stripping tank.
- Four (4) blue 55 gallon tanks containing rainwater and residual chemicals were observed, and an approximate PID reading of 10 ppm was measured above these tanks.
- Small containers of paints and varnishes were observed throughout garage and inside of the main building.
- A hole/drain was observed in the center of the garage. The owner claimed that this drain discharged to the sewer. No PID reading was measured from above the drain.
- Leftover materials, paints, and stored wood were observed inside the main building.
- The roof of the main building had apparent leaks; buckets of water with no observed sheen or measurable PID readings were observed in the building.
- Odors were observed in the basement (i.e., solvent-like odors similar to spray paint).

- A paint booth was located inside the main building. There were no measurable PID readings in this area.

A review of the photos included in this submittal indicates the following:

- Power to the building appears to be shut off.
- Drums were located outside the buildings (i.e., between the main building and garage). Two drums labeled “Wood Stripper 125 UN 2022” and “corrosive” that apparently contained material were identified. PID readings measured above these drums ranged from 0 ppm to 9 ppm. A container labeled “Kerosene” had liquid inside, however, no PID reading was measured above this container. A container with a worn label that included the words “methylene dichloride, methanol” and a skull and crossbones had liquid inside, but no PID reading was measured above this container.
- Debris (e.g., tires, tarps, scrap wood) was present outside the structures on the Site.
- Cans of paints and other chemicals were stored inside the garage building.

Hazardous Waste Manifest, dated October 18, 2018

This manifest indicates that on October 18, 2018, one 250-pound container of UN1324, Waste Flammable Solids, Organic, (oil-based paint) was removed from the Site.

NYSDEC Manifest Inspection Report, dated August 12, 2020

A report form for Generator ‘NYD031358708’ (i.e., Webster Furniture Strippers) indicates that between 1990 and 2013 hazardous waste was removed from the Site. The majority of this hazardous waste was reportedly removed between 2007 and 2013 (i.e., after Webster Furniture Strippers vacated the buildings, see below). Waste codes for the hazardous waste included F001 (i.e., spent halogenated solvents used in degreasing), F002 (i.e., spent halogenated solvents), F003 (i.e., spent non-halogenated solvents), F005 (i.e., spent non-halogenated solvents), D001 (i.e., ignitable waste), D005 (i.e., barium containing waste), D006 (i.e., cadmium containing waste), D007 (i.e., chromium containing waste), D008 (i.e., lead containing waste), D035 (i.e., methyl ethyl ketone containing waste),

Town of Webster website, 600 Ridge Rd., Formerly Webster Furniture Strippers, [600 Ridge Rd. / Webster, NY - Official Website \(websterny.gov\)](http://600RidgeRd.com)

This website indicates that in 2005-2006 Webster Furniture Strippers went out of business and vacated the building, and that the buildings have been unoccupied since that time.

3.0 FIELDWORK AND ANALYTICAL LABORATORY TESTING

As part of this environmental evaluation, various tasks were performed at the Site. These tasks are discussed in this section.

3.1 Initial Site Visit

On October 27, 2022, a DAY representative, accompanied personnel from Watts, completed an initial site visit to observe current conditions at the Site. During this visit, the DAY representative collected interior building measurements used to develop the building plans provided as Figures 3a and 3b.

3.2 Surface Soil Sampling

On November 8, 2022, DAY representatives screened the air space above surface soil samples collected from the dirt floor area in the basement of the main building, the area between the main building and the garage, and the area north of the garage with a PPBRAe photoionization detector (PID). Select surface soil samples (designated Basement, SS-1, and SS-2) were also collected at this time and submitted for laboratory analysis. The locations of the surface soil samples are shown on Figures 3a and 3b.

3.3 Subsurface Evaluation

On November 16, 2022, TREC Environmental Services, Inc. (TREC), a subcontractor retained by DAY, advanced two test borings (designated as TB-1 and TB-2) using a Geoprobe 420M direct-push drill rig and four test borings (designated as TB-3 through TB-6) using a Geoprobe Track Mounted 6610 direct-push drill-rig. The locations of test borings TB-1 through TB-6 are shown on Figure 3a.

The test borings were advanced to maximum depths ranging from 14 feet (ft.) below ground surface (bgs) (i.e., TB-1) to 19.8 ft. bgs (i.e., TB-4) before encountering equipment refusal. [Note: Test borings advanced with the 420M drill rig encountered equipment refusal on inferred compacted/dense sand; test borings advanced with the 6610DT drill rig encountered equipment refusal on apparent rock fragments and/or bedrock.]

A DAY representative observed and documented the work completed, made visual observations, screened the air space above soil samples collected with a PPBRAe PID, retained select soil samples for subsequent analytical laboratory testing, and prepared the test boring logs that are included in Appendix C.

Upon completion of the drilling, test borings TB-3, TB-5, and TB-6 were converted into groundwater monitoring wells (designated MW-1, MW-2, and MW-3, respectively). The wells were constructed using one-inch diameter polyvinyl chloride (PVC) screen (5 feet long) attached to threaded solid PVC riser that extended above the ground surface. To the extent possible, the annulus around, and one foot above the screen was backfilled with a sand pack, and the remaining annulus above the sand pack was backfilled with bentonite grout. The monitoring well construction diagrams for MW-1 through MW-3 are included in Appendix C.

The locations of the test borings/monitoring wells presented on Figure 3a were determined via measurement from swing ties to existing Site features.

3.4 Monitoring Well Sampling

On November 21, 2022, a DAY representative purged newly installed groundwater monitoring well MW-1 in preparation for sampling. Following recharge, a groundwater sample was collected from monitoring well MW-1 for subsequent testing. Note: There was insufficient groundwater in monitoring wells MW-2 and MW-3 on November 21, 2022 to obtain samples for testing. The purging and groundwater sampling activities completed for monitoring well MW-1 are documented on the monitoring well sampling log included in Appendix D.

On January 5, 2023, a DAY representative visited the Site to evaluate monitoring wells MW-1, MW-2 and MW-3. At that time, it was determined that MW-3 did not contain groundwater, but MW-2 had a measurable amount of groundwater. On January 6, 2023, well MW-2 was purged, and groundwater returned to a level comparable to that measured prior to purging.

On January 18, 2023, a DAY representative purged groundwater monitoring wells MW-1 and MW-2. Following recharge, groundwater samples were collected from monitoring wells MW-1 and MW-2 for subsequent testing. Copies of sampling logs for the January 18, 2023 sample event are included in Appendix D.

3.5 Sub-Slab Vapor Screening

On November 21, 2022, DAY collected three sub-slab soil vapor samples (designated SV-1, SV-2, and SV-3) in the locations depicted in Figures 3a and 3b. These samples were collected in general accordance with the provisions outlined in the New York State Department of Health (NYSDOH) document titled “Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York” dated October 2006 (NYSDOH Guidance Document). Specifically, the sub-slab vapor sampling points were installed below the concrete building slab by advancing a 5/8-inch diameter drill hole through the concrete building slabs and into the underlying soil using a hammer drill. Upon reaching the targeted depth, a Vapor Pin® was installed.

Subsequent to installation and prior to sampling, the sub-slab soil vapor probes were tested for potential surface air infiltration using a helium tracer gas test in accordance with the provisions outlined in the NYSDOH Guidance Document.

After the tracer testing confirmed a suitable seal, sub-slab samples were collected using laboratory-certified “clean” 2.6-liter Silonite canisters equipped with 2-hour regulators provided by the analytical laboratory. As the sampling progressed, vacuum readings were recorded at the start of the test and monitored throughout the test (see Appendix E). Additionally, a PID was used to screen the air space above/around the Silonite canisters to establish background conditions prior to sampling and during the sampling event to identify volatile organic compound (VOC) fluctuations (if any). Following sampling, the sub-slab Vapor Pin® was removed, the floor slab was patched with concrete, and the Silonite canisters were transported under chain-of-custody control to the analytical laboratory for testing.

3.6 Drain Evaluation

Between November 14, 2022 and November 21, 2022, DAY personnel completed drain evaluation activities. On November 16, 2022, a DAY representative cleaned the drain with a shop-vac. On November 21, 2022, DAY personnel attempted to identify the discharge location of the floor drain in the garage, however the water flow through this drain was insufficient to allow dye tracing. Dye tracing was then attempted through a drain-pipe with a broken section that was located in the basement of the main building. DAY also requested information regarding sewer locations and discharge from a Town of Webster representative (refer to Figure 4).

3.7 Analytical Laboratory Testing

Select surface soil samples, soil samples, and one groundwater sample were submitted to Paradigm Environmental Services, Inc. (Paradigm) for testing. Paradigm is a NYSDOH Environmental Laboratory Approval Program (ELAP) Certified analytical laboratory (NY Lab ID No. 10958).

The following samples were submitted to Paradigm for testing of the parameters indicated:

- Target compound list (TCL) and NYSDEC CP-51 list volatile organic compounds (VOCs) via United States Environmental Protection Agency (USEPA) Method 8260: Surface soil samples SS-1, SS-2, SS-3; soil samples TB-1 (3-4), TB-3 (18.5-19), TB-4 (3-4), TB-6 (15.5-16); and, groundwater samples MW-1 (collected November 21, 2022 and January 18, 2023), and MW-2 (collected January 18, 2023);
- TCL and CP-51 List semi-volatile organic compounds (SVOC) via USEPA Method 8270: Soil samples TB-3 (18-19.5) and TB-4 (2-4);
- Resource Conservation and Recovery Act (RCRA) metals via USEPA Methods 6010 and 7471: Soil samples TB-1 (4-6) and TB-3 (18-19.5); groundwater sample MW-1 (collected November 21, 2022);
- Polychlorinated biphenyls (PCBs) via USEPA Method 8082: Soil samples TB-1 (4-6) and TB-3 (18-19.5); and
- Lead via USEPA Method 6010: Surface soil sample SS-1 and soil sample TB-4 (2-4)

Sub-slab soil vapor samples were submitted to Alpha Analytical Inc. (Alpha), and tested for the TO-15 VOC:

- Sub-slab soil vapor samples SV-1, SV-2 and SV-3

Alpha is a NYSDOH ELAP Certified analytical laboratory (NY Lab ID No. 11148).

Copies of the reports prepared by Paradigm and Alpha that contain the test results for the soil, groundwater, and sub-slab soil vapor tested and executed chain-of-custody documentation are included in Appendix F.

4.0 FINDINGS

This section presents a summary of the findings of the work completed as part of this environmental evaluation.

4.1 Soil and Groundwater Conditions

Surface Soil

The approximate 5.8 ft. north to south by 4.3 ft. east to west dirt floor area of the basement (refer to Figure 3b) consists of brown sand and silt with some intermixed gravel, and it did not contain evidence of staining and no odors were observed in this area. The PPBRae PID reading measured above the soil sampled from this area was 0 parts per billion (ppb).

The majority of the exterior of the Site was observed to be asphalt paved with the exception of the vegetated area north of the garage and a small area between the main building and the garage in the area of surface soil samples SS-1 and SS-2 (refer to Figure 3a). The asphalt pavement northwest of the main building was covered by approximately 2 to 4 inches of soil/fill comprised primarily of silt. The PPBRae PID readings measured above the surface soil between the main building and the garage ranged from 0 ppb to 76 ppb when disturbed. PPBRae PID readings measured above the vegetated area north of the garage ranged from 29 ppb to 5,160 ppb when disturbed. The surface soil sample locations and PPBRae PID readings are presented on Figure 3a. No staining or odors were observed in the surface soil screened as part of this study.

Subsurface Soil/Fill

Apparent fill material primarily consisting of sand and gravel with lesser amounts of bricks, ash, etc. in some locations was observed in the following test borings.

- Test boring TB-1 (i.e., located beside the drain in the western portion of the garage) extending from below an approximate 3-4 inch thick concrete slab to an approximate depth of 6 ft. bgs.
- Test boring TB-2 containing topsoil/vegetation and trace amounts of red bricks extending from the ground surface to an approximate depth of 2 ft. bgs.
- Gray fill material consisting of sand and gravel was observed in test boring TB-4 extending from below an approximate 0.2 foot layer of asphalt pavement to an approximate depth of 4 ft. bgs, underlain by apparent utility bedding consisting of gray angular gravel and sand that extended to an approximate depth of 6.5 ft. bgs. In addition, a trace amount of ash and coal was observed in test boring TB-4 at an approximate depth of 2.5 ft. bgs. Note: TB-4 was located adjacent to apparent piping between the main building and the garage.
- Gray sand and gravel fill material was observed in test boring TB-5 extending from the below an approximate 0.2 foot thick layer of asphalt pavement to an approximate depth of 2.5 ft. bgs.

- Dark brown topsoil with vegetation was observed in test boring TB-6 extending from the ground surface to an approximate depth of 4 ft. bgs.

Native soil generally consisting of sand with some gravel and silt underlays the fill material and topsoil. Refusal was encountered in test boring TB-1 at 14 ft bgs and in test boring TB-2 at 14.5 ft. bgs, both on inferred compacted/dense sand. Refusal in test borings TB-3 through TB-6 ranged from 16 ft. bgs (TB-6) to 19.8 ft. bgs (TB-4) on inferred broken/weather rock and/or competent rock.

A chemical-type odor, black staining, and elevated PID readings were observed above soil samples collected from test boring TB-3 at depths between about 18 to 19.5 ft. bgs, and a petroleum-type odor, black staining, and elevated PID reading were observed above the soil sample collected from test boring TB-6 from 15 to 16 ft. bgs. Sheen was not observed on the soil samples collected during this study. The table below presents a summary of the depth of test borings, observed staining and odors, and the peak PID readings measured.

Test Boring	Depth (ft. bgs) of Test Boring	Staining and Odors (ft. bgs)	Peak PID Readings (ppm)/ Approximate Depth (ft. bgs)
TB-1	14	No	4.694 (2.0)
TB-2	14.5	No	3.56 (10.5)
TB-3	19.5	18-19.5	492 (19.0)
TB-4	19.8	No	2.195 (5.5)
TB-5	16.5	No	1.19 (15.5)
TB-6	16	15-16	154.5 (15.5)

Additional information regarding the subsurface conditions encountered and PID readings measured on the soil samples collected during this study is provided on the test boring logs included in Appendix C.

Groundwater

The depth to groundwater in the monitoring wells installed during this study ranged from 16.32 ft. bgs (i.e., MW-2) to 17.33 ft. bgs (i.e., MW-1) on November 21, 2022, and from 15.38 ft. bgs (i.e., MW-2) to 16.43 ft. bgs (i.e., MW-1) on January 18, 2023. Groundwater was not encountered in monitoring well MW-3 on either November 21, 2022 or January 18, 2023. PID readings measured within the groundwater monitoring wells when initially opened were 0.0 ppm. On January 18, 2023, a chemical-like odor and a faint sheen was observed on purge water collected from monitoring well MW-1. Note: Sheen or odors were not evident on the sample collected from monitoring well MW-1 on November 21, 2022 or the sample collected from monitoring well MW-2 on January 18, 2023.

Additional information regarding the conditions observed on November 21, 2022 and January 18, 2023 during the development and sampling of monitoring wells MW-1 and MW-2 is provided on the monitoring well sampling logs included in Appendix D. [Note: The water column in monitoring well MW-2 was insufficient to allow collection of a groundwater sample on November 21, 2022.]

4.2 Drain Tracing

On November 14, 2022, DAY representatives observed a floor drain located in the garage. The floor drain was covered with dirt and broken foam roofing tiles, and appeared to be blocked. On November 16, 2022, a DAY representative cleaned the drain using a shop-vac. Following cleaning, the drain was observed to have an elbow extending to the southeast, towards piping that appeared to exit the basement of the main building. On November 21, 2022, DAY personnel attempted tracing the discharge location of the floor drain in the garage, however the water flow through this drain was insufficient to allow dye tracing. Dye tracing was then attempted through a drain-pipe with a broken section that was located in the basement of the main building that appeared to roughly line up with the angle of the pipe observed in the floor drain in the garage. It is possible that the garage floor drain is connected to this system, but this could not be confirmed.

Dye placed in the drain-pipe within the basement of the main building was observed in a sanitary sewer manhole located northeast of the Site and the sound of running water could be heard in a sanitary sewer manhole located east of the Site (refer to Figure 4).

4.3 Analytical Laboratory Results

Soil/Fill Samples

Table 1 through Table 4 provide a summary of the constituents detected in the soil samples tested as part of this study and a comparison of detected constituents to the Unrestricted Use Soil Cleanup Objectives (USCO) and Commercial Use Soil Cleanup Objectives (CSCO) that are referenced from the NYSDEC document titled “6 NYCRR Part 375: Environmental Remediation Programs” dated December 14, 2006. Generally, “Unrestricted Use” means use without imposed restrictions such as environmental easements, deed restrictions or other land use controls. “Commercial Use” means the land use category that shall only be considered for the primary purpose of buying, selling, or trading of merchandise or services. The detected constituents were also compared to the Soil Cleanup Levels (SCL) identified in the NYSDEC document “CP-51 Soil Cleanup Guidance” dated October 21, 2010. The SCL are used by the NYSDEC to assess cleanup requirements at petroleum spill sites. The results of the testing of soil samples collected during this study are discussed below.

VOCs

As shown on Table 1 and discussed below, various VOCs were detected in some of the soil samples tested.

Sample: Basement

- VOCs were not detected at concentrations greater than the laboratory detection limits in the surface soil sample collected from this location.

Sample: SS-1

- One VOC (m,p-xylene) was detected in this sample at a concentration 0.00239 micrograms per kilogram (mg/kg) or parts per million (ppm), which is below the Unrestricted Use SCO, Restricted Commercial Use SCO and CP-51 SCL.

Sample: SS-2

- VOCs were not detected at concentrations greater than the laboratory detection limits in this sample.

Sample: TB-1 (3-4)

- A total VOC concentration of 0.09761 ppm was measured in this sample.
- Methylene chloride was detected at a concentration (0.0862 ppm) that exceeded the Unrestricted Use SCO, but below the Restricted Commercial Use SCO and CP-51 SCL.
- Two petroleum related VOC (i.e., toluene and m,p-xylene) were detected at concentrations below their respective Unrestricted Use SCO, Restricted Commercial Use SCO, and CP-51 SCL.

Sample: TB-3 (18.5-19)

- A total VOC concentration of 13.326 ppm was measured in this sample.
- Six petroleum related VOC (i.e., n-butylbenzene, sec-butylbenzene, p-isopropyltoluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and methylcyclohexane) were detected at concentrations below their respective Unrestricted Use SCO, Restricted Commercial Use SCO, and CP-51 SCL.

Sample: TB-4 (3-4)

- A total VOC concentration of 0.0062 ppm was measured in this sample.
- Two petroleum related VOC (i.e., ethylbenzene and m,p-xylene) were detected at concentrations below their respective Unrestricted Use SCO, Restricted Commercial Use SCO, and CP-51 SCL.

Sample: TB-6 (15.5-16)

- One petroleum related VOC (i.e., n-butylbenzene) was detected in this sample at a concentration of 0.00861 ppm, which is below the Unrestricted Use SCO, Restricted Commercial Use SCO, and CP-51 SCL.

SVOCs

As shown on Table 2 and discussed below, various SVOCs were detected in one of the soil samples tested.

Sample: TB-3 (18-19.5)

- SVOCs were not detected at concentrations greater than the laboratory detection limits in this sample.

Sample: TB-4 (2-4)

- Two SVOCs (i.e., fluoranthene and pyrene) were detected in this sample at concentrations below their respective Unrestricted Use SCO, Restricted Commercial Use SCO, and CP-51 SCL.

Metals

As shown on Table 3 and discussed below, various metals were detected in the soil samples tested.

Sample: TB-1 (4-6)

- Lead was detected in this sample at a concentration (129 ppm) that exceeds the Unrestricted Use SCO (63 ppm), but below the Restricted Commercial Use SCO (1000 ppm).
- Mercury was detected in this sample at a concentration (0.199 ppm) that exceeds the Unrestricted Use SCO (0.18 ppm), but below the Restricted Commercial Use SCO (2.8 ppm).
- Various other metals (i.e., arsenic, barium, cadmium, chromium) were detected in this sample at concentrations below their respective Unrestricted Use SCO, Restricted Commercial Use SCO, and CP-51 SCL.

Sample: TB-3 (18-19.5)

- Various metals (i.e., arsenic, barium, cadmium, chromium, lead) were detected in this sample at concentrations below their respective Unrestricted Use SCO, Restricted Commercial Use SCs, and CP-51 SCL.

Sample: TB-4 (2-4)

Lead was detected in this sample at a concentration (270 ppm) that exceeds the Unrestricted Use SCO (63 ppm), but below the Restricted Commercial Use SCO (1000 ppm).

Sample: SS-1

Lead was detected in this sample at a concentration (1,400 ppm) that exceeds the Unrestricted Use SCO (63 ppm) and the Restricted Commercial Use SCO (1000 ppm).

PCBs

As shown on Table 4 and discussed below, PCBs were detected in one of the two soil samples tested.

Sample: TB-1 (4-6)

- Two PCBs (i.e., Aroclor-1254 and Aroclor-1260) were detected in this sample at concentrations below their respective Unrestricted Use SCO and Restricted Commercial Use SCO, however the total PCBs measured in this sample (0.1241) exceed the Unrestricted Use SCO.

Sample: TB-3 (18-19.5)

- PCBs were not detected at concentrations greater than the laboratory detection limits in this sample.

Groundwater Samples

A summary of the constituents detected in the groundwater samples tested during this study with a comparison to groundwater standards and guidance values referenced in the *NYSDEC Division of Water Technical Operations and Guidance Series 1.1.1: Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* (TOGS 1.1.1) dated June 1998, as supplemented by an Errata Sheet dated January 1999 and addendums dated April 2000 and June 2004 is presented on Table 5 and Table 6. The results of the groundwater samples collected from monitoring well MW-1 and MW-2 that were tested during this study are discussed below.

VOCs

MW-1 (Collected November 21, 2022)

- A total VOC concentration of 226.4 micrograms per liter (µg/L) or parts per billion (ppb) was measured in the sample collected from monitoring well MW-1.
- Three petroleum-related VOCs (i.e., n-propylbenzene,; 1,2,4-trimethylbenzene; and 1,3,5-trimethylbenzene) were detected at concentrations [8.43 ppb, 17.4 ppb, and 14.5 ppb, respectively] that are greater than their respective TOGS 1.1.1 standards (5 ppb for each VOC).
- Four petroleum-related VOCs (i.e., sec-butylbenzene, isopropylbenzene, p-isopropyltoluene, and methylcyclohexane) were detected at concentrations below their

respective TOGS 1.1.1 standards. [Note: The NYSDEC does not have a groundwater standard or guidance value for methylcyclohexane.]

MW-1 (Collected January 18, 2023)

- A total VOC concentration of 1,362.98 ppb was measured in the sample collected from monitoring well MW-1.
- Seven petroleum-related VOCs (i.e., n-butylbenzene; sec-butylbenzene; isopropylbenzene; p-isopropyltoluene; n-propylbenzene; 1,2,4-trimethylbenzene; and 1,3,5-trimethylbenzene) were detected at concentrations [120 ppb, 27.6 ppb, 15.2 ppb, 33.2 ppb, 48.9 ppb, 146 ppb, and 120 ppb, respectively] that are greater than their respective TOGS 1.1.1 standards (5 ppb for each VOC).
- One additional petroleum-related VOC (i.e., methylcyclohexane) was detected.

MW-2 (Collected January 18, 2023)

- VOCs were not detected at concentrations greater than the laboratory detection limits in this sample.

Metals

MW-1 (Collected November 21, 2022)

- Lead was detected at a concentration (25.5 ppb) that slightly exceeds the TOGS 1.1.1 standard (25 ppb).
- Arsenic, barium, and chromium were detected at concentrations below their respective TOGS 1.1.1 standard.

Sub-Slab Vapor Samples

Table 7 provides a summary of detected constituents measured in sub-slab vapor samples SV-1 through SV-3. Table 7 includes a comparison of detected constituents measured in the sub-slab vapor samples to the Air Guidance values referenced in the NYSDOH Guidance Document including the 90th percentile values of Table C2 “EPA 2001: Building assessment and survey evaluation (BASE) data base (i.e., generally considered as ‘typical’ VOC concentrations encountered within a commercial building). The NYSDOH Guidance Document also provides three Soil Vapor / Indoor Air Decision Matrices to use as tools in making decisions when soil vapor impacted with select chlorinated VOCs may be entering a building. These matrices provide guidance on whether additional monitoring and/or vapor mitigation may be needed in the building. The results of the sub-slab soil vapor testing are discussed below.

SV-1

Methylene chloride was detected at a concentration [105 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)] that exceeds the NYSDOH Air Guidance value ($60 \mu\text{g}/\text{m}^3$) and the 90th percentile value ($10 \mu\text{g}/\text{m}^3$). Based on Soil Vapor / Indoor Air Decision Matrix B, depending on indoor air concentration of methylene chloride the concentration of methylene chloride detected in SV-1 would require either “No Further Action” or “Identify Source(s) and Resample or Mitigate”.

Four other VOCs (i.e., acetone, carbon disulfide, hexane, toluene) were detected at concentrations greater than their respective 90th percentile values suggesting potential impacts. [Note: The NYSDOH Guidance Document does not provide Guidance Values for these compounds.]

Various other VOCs were detected at concentrations below their respective 90th percentile values.

SV-2

Methylene chloride was detected at a concentration ($28.9 \mu\text{g}/\text{m}^3$) that exceeds the 90th percentile value ($10 \mu\text{g}/\text{m}^3$), but this concentration is below the NYSDOH Air Guidance value ($60 \mu\text{g}/\text{m}^3$). Based on Soil Vapor / Indoor Air Decision Matrix B, depending on indoor air concentration of methylene chloride the concentration of methylene chloride detected in SV-2 would require either “No Further Action” or “Identify Source(s) and Resample or Mitigate”.

Two other VOC (i.e., acetone and chloroform) were detected at concentrations greater than their respective 90th percentile values suggesting potential impacts. [Note: The NYSDOH Guidance Document does not provide Guidance Values for these compounds.]

Various other VOC were detected at concentrations below their respective 90th percentile values and/or NYSDOH Guidance Value.

SV-3

Various VOC were detected at concentrations below their respective 90th percentile values and/or NYSDOH Guidance Value.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon available information, the Site was occupied by a furniture stripping business from at least the early 1980s until 2005 or 2006. The occupant of the adjoining property to the north (i.e., 1021 Gravel Road) had various complaints/concerns documented in letters to regulatory agencies. In addition, regulatory agencies conducted several site visits and had various communications with the former owner of the Site. A summary of relevant information is presented below.

- Reportedly dumping of chemical waste out the front of the stripping business building flowed over plant life on an adjacent property. [Note: Since the chemical waste reportedly flowed over plant life at 1021 Gravel Road, this waste may have been discharged from the front, east side of the garage building, an area that was subsequently covered by a garage addition.]
- In 1985, noxious odors were observed by the neighbor at 1021 Gravel Road, and the neighbor reported various health effects to both herself and her dogs.
- The neighbor at 1021 Gravel Road identified an apparent discrepancy between the amount of solvents used and the amount of hazardous waste pick-up.
- Methylene chloride was used in the paint stripping operation located in the garage building on the Site.
- Oxalic acid was used in a bleach tank as part of the paint stripping operations.
- A spray booth and sanding area were located in the main building on the Site.
- The furniture stripping solvents were allowed to evaporate into the open air through two doors and one vent on the side of the garage.
- A water rinse area discharged to a floor drain in the garage.
- A drum storage area was located between the garage and the main building.
- The furniture stripping business apparently operated without valid permits on file with the NYSDEC. Note: A Notice of Incomplete Application dated September 15, 1993 stated that “The methylene chloride emissions from the source area are nine times the permissible limit.”
- A Notice of Violation dated October 16, 2000 indicated that since the business continued to operate in violation of DEC regulations a referral to the NYSDEC Legal Division was being prepared to enforce legal actions.
- Letters dated September 6, 2002 and March 10, 2003 stated that the furniture stripping business was continuing to operate without having completed required actions.
- Furniture stripping operations at the Site ceased in 2005/2006, and the property has been vacant since that time.

Based on the information reviewed as part of this study, it appears that the furniture stripping business that operated at the Site for more than 30 years did not comply with New York State regulations regarding methylene chloride emissions. As such, it is possible that storage of chemicals at the Site, specifically solvents containing methylene chloride, was not adequate and may have resulted in impacts to soil, groundwater, and/or soil vapor.

Based upon the studies completed as part of this Phase II ESA, it is concluded:

- The approximate 25 square foot dirt floor area in the basement of the main building consists primarily of brown sand and silt with some intermixed gravel. No staining or odors were observed in the dirt floor area. The PPBRae PID reading measured above the soil sample collected from this area was 0 ppb.
- With the exception of an area north of the garage and a small area between the main building and the garage, the majority of the exterior of the Site is covered by asphalt or concrete ranging in thickness from about 0.2 ft. to 0.4 ft. No staining or odors were observed in the exterior surface soil. The PPBRae PID readings in the surface soil samples ranged from 0 ppb to 5,160 ppb (i.e., SS-2). Note: The asphalt pavement area northwest of the main building was covered by approximately 2 to 4 inches of dark brown silt (i.e., similar to topsoil). The source of this soil is not known.
- Apparent fill material consisting primarily of reworked sand and gravel intermixed with lesser amounts of bricks, ash, etc. in some locations was observed in test borings TB-1, TB-2, TB-4, TB-5. Apparent utility bedding (i.e., angular gravel with sand) was observed in test boring TB-4 from approximately 4 ft. bgs to 6.5 ft. bgs. A trace amount of ash and coal was observed in test boring TB-4 at an approximate depth of 2.5 ft. bgs. Native soil consisting of sand with some gravel and silt underlays the fill material and topsoil. Refusal was encountered in the test borings advanced during this study at depths ranging from 14 ft. bgs (i.e., in test boring TB-1 on inferred compacted/dense sand) to 19.8 ft. bgs (i.e., in test boring TB-4 on inferred bedrock).
- Odors (i.e., chemical-type and/or petroleum-type) and black staining were observed above soil samples collected from test boring TB-3 from 18 to 19.5 ft. bgs, and in samples from test boring TB-6 from 15 to 16 ft. bgs. Sheen was not observed on the soil samples collected during this study. PID readings measured above the soil samples collected ranged from 0 ppb to 492 ppm.
- The depth to groundwater in the monitoring wells installed during this study ranged from 16.32 ft. bgs (i.e., MW-2) to 17.33 ft. bgs (i.e., MW-1) on November 21, 2022, and from 15.38 ft. bgs (i.e., MW-2) to 16.43 ft. bgs (i.e., MW-1) on January 18, 2023. Groundwater was not encountered in monitoring well MW-3 on either November 21, 2022 or January 18, 2023. An insufficient amount of groundwater was present in monitoring well MW-2 on November 21, 2022 to obtain a sample for testing, but a sample was obtained from this location on January 18, 2023. PID readings measured within the groundwater monitoring wells when initially opened were 0.0 ppm. Sheen or odor was not observed on development water removed from groundwater monitoring well MW-1 on November 21, 2022 or from groundwater monitoring well MW-2 on January 18, 2023; however, faint sheen and a chemical-type odor was observed on purge water removed from groundwater monitoring well MW-1 on January 18, 2023.
- The water flow in the floor drain located in the garage was insufficient to allow drain tracing with dye. Dye tracing was completed within a drain-pipe in the basement of the main building (i.e., potentially connected to the drain in the garage). During this test, dye

was observed in a sanitary sewer manhole located northeast of the Site and the sound of running water could be heard in a sanitary sewer manhole located east of the Site.

- With the exception of the following, various VOCs, SVOCs, PCBs, and metals were detected in one or more soil sample tested during this study at concentrations below their respective Unrestricted Use SCO, Restricted Commercial Use SCO, and CP-51 SCL.
 - Methylene chloride was detected in sample TB-1 (3-4) at a concentration that exceeds the Unrestricted Use SCO.
 - Lead was detected in sample TB-1 (4-6) at a concentration that exceeds the Unrestricted Use SCO.
 - Lead was detected in sample TB-4 (2-4) at a concentration that exceeds both the Unrestricted Use SCO and the Restricted Commercial Use SCO.
 - Mercury was detected in sample TB-1 (4-6) at a concentration that exceeds the Unrestricted Use SCO.
 - Total PCBs were detected in sample TB-1 (4-6) at a concentration that exceeds the Unrestricted Use SCO.
- Three petroleum-related VOCs (i.e., n-propylbenzene; 1,2,4-trimethylbenzene; and 1,3,5-trimethylbenzene) were detected in the groundwater sample collected from monitoring well MW-1 on November 21, 2022 at concentrations greater than their respective TOGS 1.1.1 standards. Seven petroleum-related VOC (i.e., n-butylbenzene; sec-butylbenzene; isopropylbenzene; p-isopropyltoluene; n-propylbenzene; 1,2,4-trimethylbenzene; and 1,3,5-trimethylbenzene) were detected in the groundwater sample collected from monitoring well MW-1 on January 18, 2023 at concentrations greater than their respective TOGS 1.1.1 standards.
- Lead was detected in the groundwater sample collected from monitoring well MW-1 at a concentration that exceeds the TOGS 1.1.1 standard.
- Methylene chloride was detected in sub-slab soil vapor sample SV-1 at a concentration that exceeds both the Air Guidelines referenced in the NYSDOH Guidance Document and the 90th percentile value. Four other VOC (i.e., acetone, carbon disulfide, hexane, toluene) were detected at concentrations greater than their respective 90th percentile values. Two VOCs (i.e., acetone and chloroform) were detected in sub-slab soil vapor sample SV-2 at concentrations greater than their respective 90th percentile values.
- The methylene chloride concentrations measured in the sub-slab soil vapor samples collected from SV-1 and SV-2 were detected at concentrations that could require either “No Further Action” or “Identify Source(s) and Resample or Mitigate depending on the concentrations of indoor air samples measured in these locations.

The Pre-Renovation Survey completed by Watts identified the following materials at the Site requiring additional study and possible remediation/abatement:

- Asbestos-containing materials (ACM): including friable pipe insulation in the basement; non-friable wall panel mastic; non-friable sheet vinyl flooring; non-friable floor tile; non-

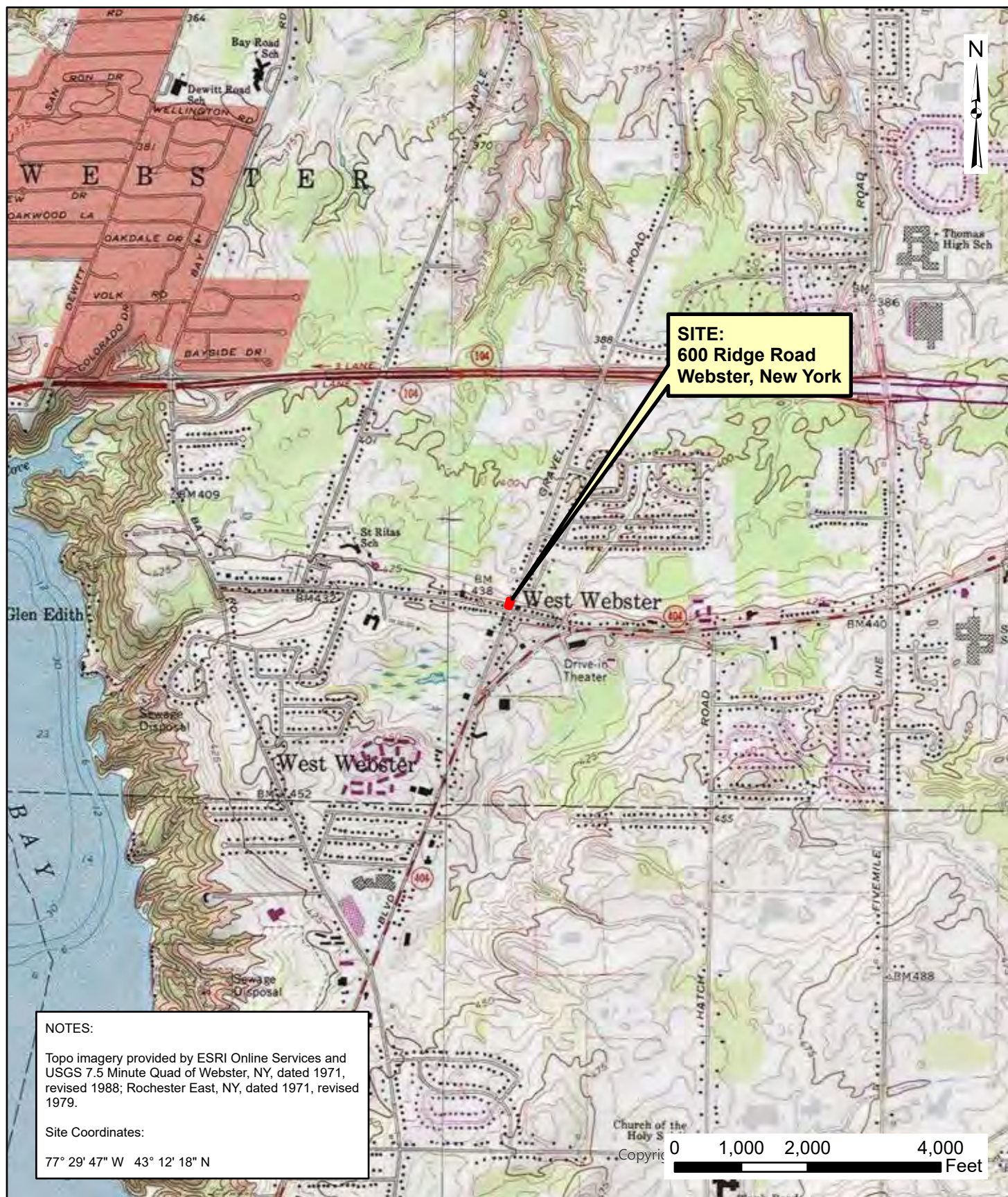
friable window glazing compound; non-friable window caulk; and, non-friable skim coat ceiling plaster and debris.

- Assumed ACM: Wire insulation and roofing materials (i.e., fields, flashing, cements, caulks).
- Lead-based paint (LBP) in various locations.

Based on the findings of the studies completed to date, there appear to be environmental impacts at the Site related to the former use of the Site as a paint stripping operation and the construction/age of structures on the Site. Specifically, methylene chloride was detected in a soil sample from the garage (i.e., the location of the stripping operation) and lead (i.e., potentially associated with lead-based paint removed during stripping operations) was detected in various samples tested during this study. Methylene chloride was also detected in the two sub-slab soil vapor samples collected from the garage (i.e., SV-1 and SV-2) at concentrations suggesting remediation/mitigation may be warranted. Petroleum-related VOCs were identified in the subsurface at the Site. This includes three petroleum related VOCs that were identified in groundwater sample MW-1 collected on November 21, 2022 and seven petroleum related VOCs detected in the sample collected on January 18, 2023 at concentrations exceeding TOGS 1.1.1 standards. In addition, a faint sheen and chemical-like odor was detected on the sample collected from monitoring well MW-1 on January 18, 2023. The source of the apparent petroleum-impact is not known, but it could have been related to operations at the Site or adjacent properties. In addition, the structures on the Site contain ACM and LBP. As such, additional studies, and possible remediation, are recommended. These additional studies/remedial activities should include:

- A vapor intrusion study, or installation of a vapor mitigation system(s), within the structures that will remain at the Site.
- Installation of additional monitoring wells installed within the top of bedrock to assess groundwater flow patterns and to obtain groundwater samples for analytical laboratory testing.
- Characterization of fill samples to assess disposal and/or re-use options.
- Additional study and remedial activities to remediate/abate ACM and LBP.
- Development of remediation plans (if warranted based on the findings of additional site characterization) and/or a Site Management Plan (SMP) to address the handling of potentially-impacted media and waste materials that could be encountered during future intrusive activities completed at the Site (e.g., utility repairs, site development, demolition activities, etc.).

FIGURES



Date	11-15-2022
Drawn By	CPS
Scale	AS NOTED

day
DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606

Project Title	600 RIDGE ROAD WEBSTER, NEW YORK
Project No.	22-3642S
PHASE II ENVIRONMENTAL SITE ASSESSMENT	FIGURE 1
Drawing Title	Project Locus Map

Project No.	22-3642S
FIGURE 1	

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Project Title 600 RIDGE ROAD WEBSTER, NEW YORK		Project Manager HMM	Date 11-2022
PHASE II ENVIRONMENTAL SITE ASSESSMENT		DATE DRAWN CPS	DATE ISSUED 11-2022
Drawing Title Site Plan		SCALE AS NOTED	DATE 11-15-2022
Project No. 22-3624S		DAY ENGINEERING, P.C. Environmental Engineering Consultants Rochester, New York 14606	
FIGURE 2			

RIDGE ROAD

Asphalt Pavement

Concrete Gutter

Asphalt

#600

1-Storey Brick and Wood Frame

2-Storey Brick and Wood Frame
1,693 Square Feet

Exterior Wall

18ppb

34ppb

38ppb

51ppb

76ppb

SS-1
0ppb

TB-4

TB-5/MW-2

1-Storey CMU and Wood Frame Garage
708 Square Feet

TB-1
FD

SV-2

889ppb

29ppb

TB-6/
MW-3

SS-2
5,160ppb

SV-1

TB-2

Concrete Sidewalk

Granite Curb

Asphalt

Conc Stoop

Asphalt

Asphalt

Concrete Gutter

Asphalt Pavement

GRAVEL ROAD

LEGEND

- $\oplus TB-2$

Test Boring Location Advanced On November 16, 2022
- $\bullet TB-5/MW-2$

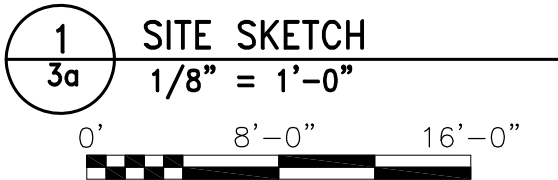
Monitoring Well Location Advanced On November 16, 2022
- $\bullet SS-2$

Surface Soil Sample Location Collected On November 8, 2022
- $\square 51ppb$

Surface Soil Location With Maximum PPBRae Photoionization Detector (PID) Reading Recorded In Parts Per Billion (ppb)
- $\blacktriangle SV-1$

Sub-Slab Vapor Sample Location Collected On November 21, 2022
- $\circ FD$

Floor Drain



NOTES:

1. Drawing based on field measurements made by a representative of Day Engineering, P.C. during October 2022. Drawing is not guaranteed to be accurate, and should be considered accurate to the degree implied by the method used.

Field Verified By	HMM	Drawn By	Tww/RJM
Checked By	HMM	Approved By	HMM
Scale	As Noted	Date Issued	1-3-2023

day

DAY ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERING CONSULTANTS
ROCHESTER, NY 14606

PROJECT TITLE

Monroe County Department of Environmental Services
50 West Main Street, Suite 7100
Rochester, NY 14614

DRAWING TITLE

600 Ridge Road Webster Phase II ESA
Site Plan With Test Locations

PROJECT No.

22-3624S

DWG No.

3a

Sheet

1

of

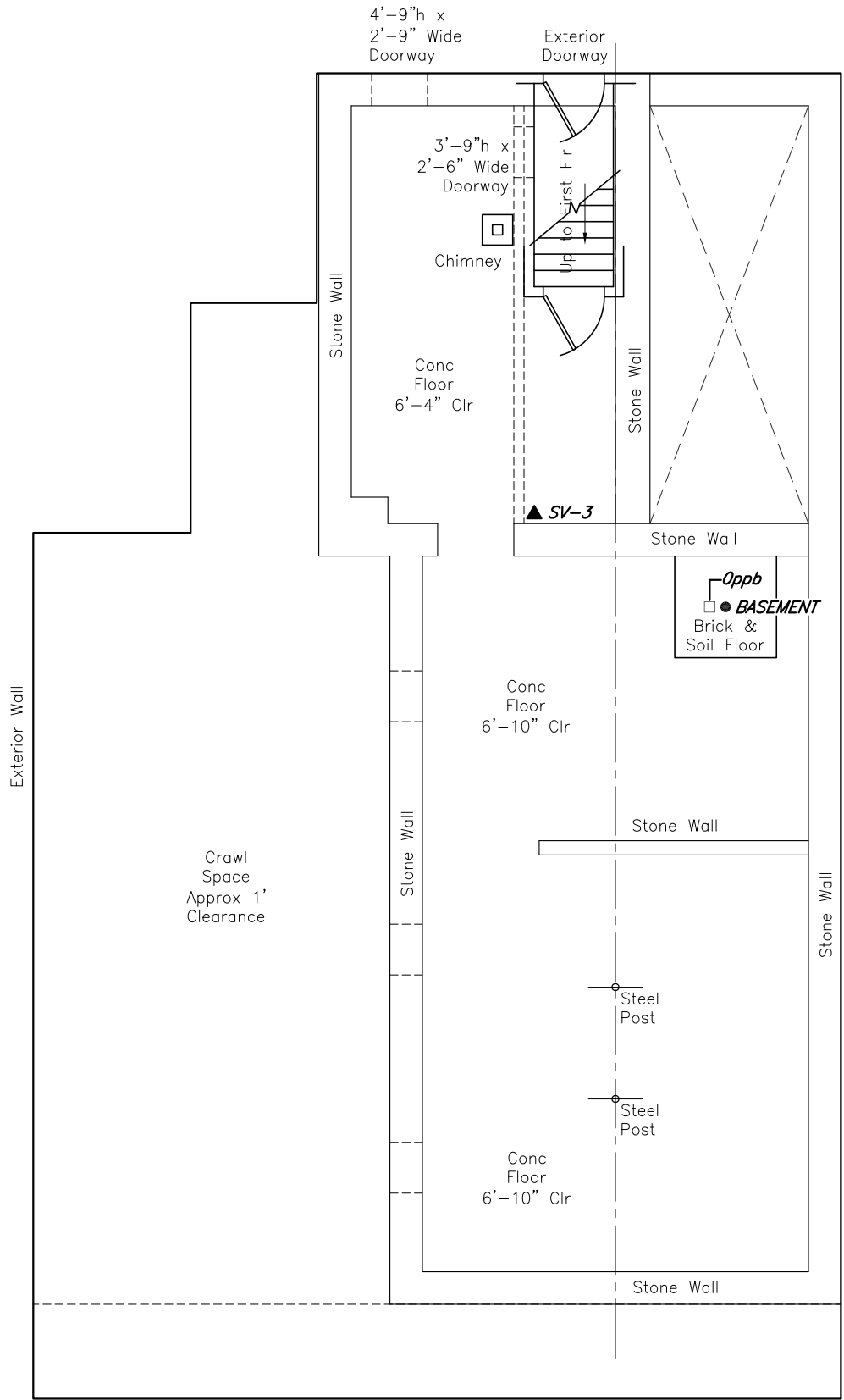
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Ref2:
Ref3:

Xerox432AnsiB-2 - Subs: 11 x 17
Layout Name: 8th Scale Flr Plan-1

ANSI B
11x17



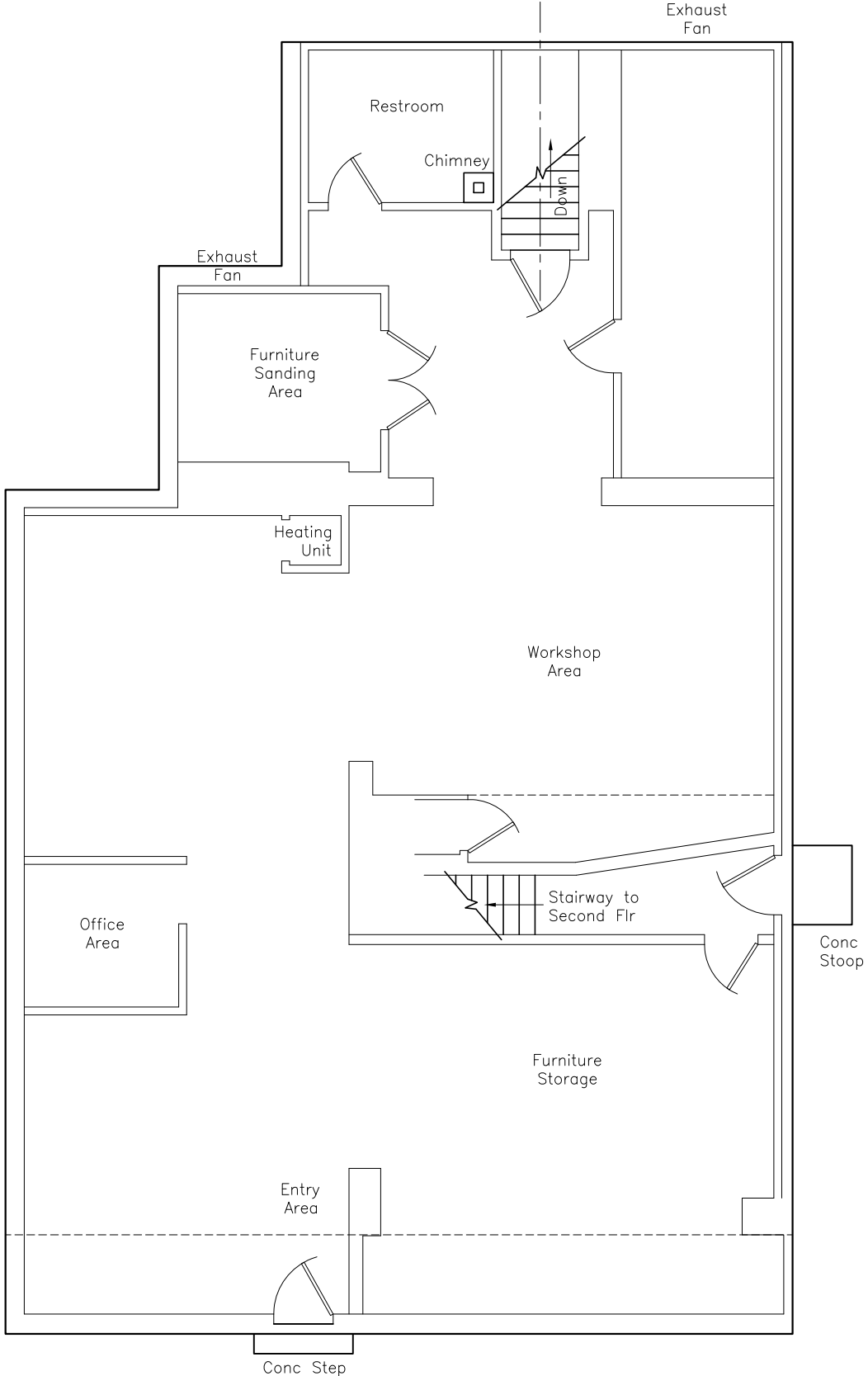
1
3b

BASEMENT FLOOR PLAN
1/8" = 1'-0"

0' 8'-0" 16'-0"

NOTES:

1. Drawing based on field measurements made by a representative of Day Engineering, P.C. during October 2022. Drawing is not guaranteed to be accurate, and should be considered accurate to the degree implied by the method used. Dimensions shown are approximate field measurements.



2
3b

FIRST FLOOR PLAN
1/8" = 1'-0"

LEGEND

- **BASEMENT** Surface Soil Sample Location
- **Oppb** Surface Soil Location With Maximum PPBRae Photoionization Detector (PID) Reading Recorded In Parts Per Billion (ppb)
- ▲ **SV-3** Sub-Slab Vapor Sample Location Collected On November 21, 2022



Field Verified By	HMM	Drawn By	Tww/RJM
Checked By	HMM	Approved By	HMM
Scale	As Noted	Date Issued	1-3-2023

DAY ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERING CONSULTANTS
ROCHESTER, NY 14606

PROJECT TITLE Monroe County Department of Environmental Services 50 West Main Street, Suite 7100 Rochester, NY 14614 600 Ridge Road Webster Phase II ESA	
DRAWING TITLE Basement and First Floor Plan With Test Locations	

PROJECT No. 22-3624S	
DWG No. 3b	
Sheet	2 of 2

TABLES

Table 1
600 Ridge Road
Webster, New Zork

Summary of Detected VOC Results in mg/Kg or Parts per Million (ppm)
Soil Samples

Detected Constituent	A Unrestricted SCO ⁽¹⁾	B Commercial SCO ⁽¹⁾	C CP-51 SCL ⁽²⁾	Basement 225395-01 11/8/2022	SS-1 225395-02 11/8/2022	SS-2 225395-03 11/8/2022	TB-1 (3-4) 11/16/2022	TB-3 (18.5-19) 11/16/2022	TB-4 (3-4) 11/16/2022	TB-6 (15.5-16) 11/16/2022
n-Butylbenzene	12	500	12	(0.00435) U	(0.00476) U	(0.00474) U	(0.00405) U	2.330	(0.00365) U	0.00861
sec-Butylbenzene	11	500	11	(0.00435) U	(0.00476) U	(0.00474) U	(0.00405) U	0.405	(0.00365) U	(0.00461) U
Ethylbenzene	1	390	1	(0.00435) U	(0.00476) U	(0.00474) U	(0.00405) U	(0.695) U	0.00194 J	(0.00461) U
p-Isopropyltoluene	NA	NA	10	(0.00435) U	(0.00476) U	(0.00474) U	(0.00405) U	0.523	(0.00365) U	(0.00461) U
Methylene chloride	0.05	500	NA	(0.0109) U	(0.0119) U	(0.0118) U	0.0862 A	(1.740) U	(0.00913) U	(0.0115) U
Toluene	0.7	500	0.7	(0.00435) U	(0.00476) U	(0.00474) U	0.00687	(0.695) U	(0.00365) U	(0.00461) U
1,2,4-Trimethylbenzene	3.6	190	3.6	(0.00435) U	(0.00476) U	(0.00474) U	(0.00405) U	0.947	(0.00365) U	(0.00461) U
1,3,5-Trimethylbenzene	8.4	190	8.4	(0.00435) U	(0.00476) U	(0.00474) U	(0.00405) U	0.791	(0.00365) U	(0.00461) U
m,p-Xylene	0.26	500	0.26	(0.00435) U	0.00239 J	(0.00474) U	0.00454	(0.695) U	0.00430	(0.00461) U
Methylcyclohexane	NA	NA	NA	(0.00435) U	(0.00476) U	(0.00474) U	(0.00405) U	8.330	(0.00365) U	(0.00461) U
Total VOCs	NA	NA	NA	0.0000	0.00239	0.0000	0.09761	13.326	0.00624	0.00861

U = Not detected, detection limit shown in parentheses

J = Estimated Value

NA = Not Available

(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006 and CP-51 dated 10/21/10

(2) = Soil Cleanup Level (SCL) referenced in CP-51 dated 10/21/10

Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.

A = Concentration Exceeds Unrestricted Use SCO

Table 2

**600 Ridge Road
Webster, New York**

Summary of Detected SVOC Results in mg/Kg or Parts Per Million (ppm)

Soil Samples

B-3 (18-19.5)	A Unrestricted SCO ⁽¹⁾	B Commercial SCO ⁽¹⁾	C CP-51 SCL ⁽²⁾	TB-3 (18-19.5) 225566-03 11/16/2022	TB-4 (2-4) 225566-06 11/16/2022
Fluoranthene	100	500	100	(0.311) U	0.204 J
Pyrene	100	500	100	(0.311) U	0.172 J

U = Not detected, detection limit shown in parentheses

(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006 and CP-51 dated 10/21/10

(2) = Soil Cleanup Level (SCL) referenced in CP-51 dated 10/21/10

Table 3

600 Ridge Road
Webster, New York

Summary of Metals Results in mg/Kg or Parts Per Million (ppm)

Soil Samples

Detected Analyte	A Unrestricted SCO ⁽¹⁾	B Commercial SCO ⁽¹⁾	TB-1 (4-6) 225566-02 11/16/2022	TB-3 (18-19.5) 225566-03 11/16/2022	TB-4 (2-4) 225566-06 11/16/2022	SS-1 225635-02 11/21/2022
Arsenic	13	16	8.61	5.42	NT	NT
Barium	350	400	69.3	11.6	NT	NT
Cadmium	2.5	9.3	0.628	0.301	NT	NT
Chromium	30	1500	10.9	7.18	NT	NT
Lead	63	1000	129 A	3.05	270 A	1400 AB
Mercury	0.18	2.8	0.199 A	(.00922) U	NT	NT

U = Not detected, detection limit shown in parentheses

NT = Not tested

(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006 and CP-51 dated 10/21/10

Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.

A = Concentration Exceeds Unrestricted Use SCO

B = Concentration Exceeds Commercial Use SCO

Table 4

**600 Ridge Road
Webster, New York**

Summary of PCB Results in mg/Kg or Parts Per Million (ppm)

Soil Samples

Detected Constituent	A Unrestricted SCO⁽¹⁾	B Commercial SCO⁽¹⁾	TB-1 (4-6) 225566-02 11/16/2022	TB-3 (18-19.5) 225566-03 11/16/2022
Aroclor-1254	0.1	1	0.0688	(0.0300) U
Aroclor-1260	0.1	1	0.0553	(0.0300) U
Total PCBs	0.1	1	0.1241 A	U

U = Not detected, detection limit shown in parentheses

(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006 and CP-51 dated 10/21/10

Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.

A = Concentration Exceeds Unrestricted Use SCO

B = Concentration Exceeds Commercial Use SCO

Table 5

600 Ridge Road
Webster, New York

Summary of Detected VOC Results in ug/l or Parts per Billion (ppb)

Groundwater Sample

Detected Constituent	Groundwater Standard or Guidance Value ⁽¹⁾	MW-1		MW-2	
		225635-01 11/21/2022	230229-01 1/18/2023	230229-02 1/18/2023	
n-Butylbenzene	5	(2.00) U	120 X	(2.00) U	
sec-Butylbenzene	5	3.38	27.6 X	(2.00) U	
Isopropylbenzene	5	3.24	15.2 X	(2.00) U	
p-Isopropyltoluene	5	4.44	33.2 X	(2.00) U	
n-Propylbenzene	5	8.43 X	48.9 X	(2.00) U	
1,2,4-Trimethylbenzene	5	17.4 X	146 X	(5.00) U	
1,3,5-Trimethylbenzene	5	14.5 X	120 X	(5.00) U	
Methylcyclohexane	NA	175	972	(2.00) U	
Total VOCs	NA	226.4	1362.9	0.0	

U = Not detected, detection limit shown in parentheses

⁽¹⁾ Groundwater standard or guidance value are as referenced in
NYSDEC TOGS 1.1.1 dated June 1998 with April 2000 and June

X = Concentration exceeds groundwater standard or guidance value

VOC = Volatile Organic Compound

NA = Not available

Table 6

**600 Ridge Road
Webster, New York**

Summary of Detected Metal Results in ug/l or Parts per Billion (ppb)

Groundwater Sample

Detected Constituent	Groundwater Standard or Guidance Value ⁽¹⁾	MW-1 225634-01 11/21/2022
Arsenic	25	12
Barium	1000	79 J
Chromium	50	22.8
Lead	25	25.5 X

J = Estimated Value

⁽¹⁾ Groundwater standard or guidance value are as referenced in NYSDEC TOGS 1.1.1 dated June 1998 with April 2000 and June 2004 addendums.

X = Concentration exceeds groundwater standard or guidance value

NA = Not available

Table 7

**600 Ridge Road
Webster New York
Summary of Detected VOC Results in ug/m³**

Sub-Slab Soil Vapor Samples

Constituent	A Indoor Air Guideline	B Indoor Air Initial Commercial Benchmark	L2265739-01	L2265739-02	L2265739-03
			SV-1	SV-2	SV-3
			Sub-Slab Vapor 11/21/2022	Sub-Slab Vapor 11/21/2022	Sub-Slab Vapor 11/21/2022
Tetrachloroethylene (PCE)	30	15.9	(1.36) U	4.98	13.4
Methylene Chloride	60	10	105 AB	28.9 B	4.72
Acetone	NA	98.9	318 B	9.72	10.3
Benzene	NA	9.4	5.49	0.744	(0.639) U
Bromodichloromethane	NA	NA	(1.34) U	3.93	(1.34) U
2-Butanone (MEK)	NA	12.0	5.72	1.64	5.72
Carbon Disulfide	NA	4.2	4.89 B	(0.623) U	(0.623) U
Chloroform	NA	1.1	(0.977) U	13.1 B	(0.977) U
Cyclohexane	NA	NA	9.60	0.953	(0.688) U
Dichlorodifluoromethane (Freon 12)	NA	16.5	1.92	2.03	2.20
Trans-1,2-Dichloroethene	NA	NA	(0.793) U	1.22	(0.793) U
Ethanol	NA	210	30.1	(9.42) U	(9.42) U
Ethylbenzene	NA	5.7	2.01	1.52	1.39
N-Heptane	NA	NA	28.0	1.67	(0.820) U
Hexane (N-Hexane)	NA	10.2	21.7 B	2.23	1.02
Isopropyl Alcohol (Isopropanol)	NA	NA	11.6	(1.23) U	(1.23) U
Tertiary butyl Alcohol	NA	NA	4.06	(1.52) U	5.40
Tetrahydrofuran	NA	NA	2.16	(1.47) U	(1.47) U
Toluene	NA	43.0	134 B	11.8	6.33
Trichlorofluoromethane (Freon 11)	NA	18.1	2.32	4.85	1.27
1,2,4-Trimethylbenzene	NA	9.5	2.03	1.74	2.01
2,2,4-Trimethylpentane	NA	NA	(0.934) U	2.62	(0.934) U
m,p-Xylene	NA	22.2	8.82	6.34	6.99
o-Xylene	NA	7.9	2.73	2.09	2.55

Notes

Concentrations and comparison criteria in ug/m³

NA = Not available

VOC = Volatile Organic Compound

U = Compound was analyzed but not detected, detection limit shown in parenthesis.

(A) Indoor Air Guideline referenced in NYSDOH document titled "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006, and updates dated September 2013 and August 2015

(B) Initial Indoor Air Commercial Benchmarks based on 90th Percentiles referenced in Table C2 of the New York State Department of Health (NYSDOH) document titled "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006.

Bold and A = Exceeds Indoor Air Guideline Value

Bold and B = Exceeds Air Benchmark Value noted

New York State does not have standards, criteria or guidance values for concentrations of VOCs in subsurface vapors (either soil vapor or sub-slab vapor).

APPENDIX A:
REGULATED BUILDING MATERIALS SURVEY

PRE-RENOVATION SURVEY
FOR
ASBESTOS-CONTAINING MATERIALS, LEAD PAINT,
POLYCHLORINATED BIPHENYLS IN CAULK/SEALANTS
AT
600 RIDGE ROAD
WEBSTER, NEW YORK 14580



December 2022

PREPARED FOR:

Day Engineering, P.C.
1563 Lyell Avenue
Rochester, New York

SUBMITTED TO:

Monroe County
39 W Main Street
Rochester, New York

PREPARED BY:

Watts
Architects
& Engineers

510 Clinton Square
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Rochester, NY 14604



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1.0 – EXECUTIVE SUMMARY

1.0 EXECUTIVE SUMMARY

Watts Architects & Engineers (Watts) was retained by Day Engineering, P.C. to perform a pre-renovation survey for asbestos-containing materials (ACM), lead-based paint (LBP), and polychlorinated biphenyls (PCBs) in caulks/sealants for the buildings located at 600 Ridge Road, Webster, NY. The purpose of the survey was to determine the presence, location and quantity of ACM, lead-based paint and PCBs in caulks/sealants that may be disturbed by the project.

On October 27, 2022, Watts' personnel investigated interior and exterior areas of the building where the proposed work is scheduled to be performed. The field survey work conducted by Watts' personnel included the following:

- A visual site inspection of the main building and detached garage to identify suspect ACM, LBP and PCBs identified to be within the project limits;
- Collection and laboratory analysis of samples from each identified suspect material that had not been previously tested.
- Documentation of bulk sample locations on floor-plan drawings and chain-of-custody forms.
- Photographs.

ASBESTOS-CONTAINING MATERIALS

The inspection conducted by Watts' personnel included the collection of eighty-one (81) bulk samples of suspect ACM within the project limits from materials that were not previously evaluated. ACM is defined as any material containing more than one percent (1%) of asbestos.

Based on the laboratory analysis, the following ACM was identified:

- **Pipe insulation.** Friable pipe insulation has been identified in the basement. The insulation identified is in fair condition. Pipe insulation is assumed present in wall cavities on the first floor. Approximately 115 LF of pipe insulation is located in the basement. 140 LF of pipe insulation is assumed present in wall cavities.
- **Wall panel mastic.** Non-friable wall panel mastic has been identified on the first floor in the back workshop area. The mastic identified is in good condition. Approximately 416 SF of wall panel mastic was identified.
- **Sheet vinyl flooring.** Non-friable sheet vinyl flooring has been identified at the main entrance into the building. The sheet vinyl identified is in fair condition. Approximately 20 SF of sheet vinyl has been identified.
- **White 9 x 9 floor tile and associated black mastic.** Non-friable floor tile and associated mastic has been identified under the asbestos-containing sheet

vinyl at the main entrance and scattered locations throughout the first floor. The floor tile and associated mastic are in good condition. Approximately 900 SF of floor tile and associated mastic has been identified throughout the first floor.

- **Tan/pink/blue 9 x 9 floor tile and associated black mastic.** Non-friable floor tile and associated mastic has been identified on the second floor in the living room under the carpet. The floor tile and associated mastic are in good condition. Approximately 250 SF of floor tile and associated mastic has been identified.
- **Maroon 9 x 9 floor tile and associated black mastic.** Non-friable floor tile and associated mastic has been identified on the second floor in the closet, small bedroom and large bedroom under the carpet. The floor tile and associated mastic are in good condition. Approximately 362 SF of floor tile and associated mastic has been identified.
- **Window glazing compound.** Non-friable window glazing compound has been identified on the exterior garage window. The window glazing compound is in good condition. Approximately one window containing 1 SF of window glazing compound has been identified.
- **Window caulk.** Non-friable window caulk has been identified on the storefront windows at the front entrance of the building between the copper window frame and brick. The window caulk is in good condition. Approximately 2 SF of window caulk has been identified.
- **Ceiling plaster skim coat.** Non-friable skim coat ceiling plaster has been identified on the first-floor workshop area and the second floor stairwell of the main building. The skim coat ceiling plaster is in poor condition. Approximately 900 SF of ceiling plaster skim coat has been identified.
- **Ceiling plaster skim coat debris.** Friable skim coat ceiling plaster debris was identified on the ground on the first floor first-floor workshop area and stairwell of the main building. The skim coat ceiling plaster is in poor condition. Approximately 765 SF of skim coat ceiling plaster debris has been identified.
- **Window caulk.** Non-friable window caulk was identified on the copper window frame of the storefront windows. The window caulk is in poor condition. Approximately one window containing 1 SF of window glazing compound has been identified.

ASSUMED ASBESTOS-CONTAINING MATERIALS

The following materials were assumed to contain asbestos based on accessibility and/or safety concerns.

- **Wire insulation.** Suspect asbestos containing cloth and braided wire insulation was located in the basement and assumed present within the walls on the first and second floor. It could not be determined if these wires were still energized, therefore sampling could not be performed. All cloth and braided wire insulation shall be assumed to be asbestos containing. Approximately 300 LF or 6 SF of wire insulation is assumed present.
- **Roofing materials (fields, flashing, cements, caulks).** The roof collapsed in several locations and was determined to be unsafe for sample collection and at the time of inspection. All roofing materials shall be assumed to contain asbestos until safe access to the roof can be provided. Approximately 5,000 SF of roofing materials are present on the main building and 1,110 SF of roofing materials are present on garage.

NON-ASBESTOS-CONTAINING MATERIALS (Non-ACM)

The following materials within the project limits have been determined to be non-asbestos-containing materials (non-ACM):

- White joint compound
- Grey drywall
- Tan 2 x 4 suspended ceiling tile
- Brown wallboard
- *White textured ceiling (first floor under stairwell)
- White/gray pebbled sheet vinyl
- Tan/pink sheet vinyl
- Tan linoleum
- White wall plaster skim coat
- Gray wall plaster base coat
- Gray ceiling plaster base coat
- White window caulk
- *White window glazing compound
- *Tan sheet vinyl
- White textured ceiling
- Black window caulk

* All contractors shall note this material had detectable levels of asbestos present, but was found to be less than 1.0% asbestos, therefore, the material is classified as non-ACM. Contractors shall follow federal regulations, including those established by OSHA, for work involving materials containing trace amounts of asbestos.

LEAD-BASED PAINT

Representative XRF readings were taken on select building components throughout the project limits as a part of this survey. Painted building components were grouped by testing

combinations. A testing combination is characterized by location, component type, substrate, and visible color. Lead-based paint when analyzed by a portable XRF, is defined by the U.S. Department of Housing and Urban Development (HUD) as paint that contains lead at 1.0 milligram per square centimeter (mg/cm²) or greater.

Based on the XRF readings, the following building components were determined to be coated with lead-based paint:

- White wood door
- White drywall wall
- Off-white wood window/window trim
- Yellow wood door
- White wood window/window trim
- Red door casing
- Red brick siding
- Red CMU block siding
- Red wood siding
- Red concrete siding
- Red wood door trim
- Red wood window/window trim

POLYCHLORINATED BIPHENYLS

Watts investigated caulks and/or sealants identified in the project limits with regards to PCBs that could be present in such materials. PCB bulk product waste is defined as building materials that contain PCBs at concentrations ≥ 50 ppm. Materials identified as PCB bulk product waste must follow specific storage, transport and disposal requirements.

None of the caulks/sealants sampled were determined to have a concentration of PCBs greater than or equal to 50 parts per million. Currently, no special handling or disposal activities pertaining to PCBs will be required.

GENERAL OBSERVATIONS

The building at 600 Ridge Rd. is a former furniture repair shop named Webster Furniture Strippers. The original construction date is unknown, but presumed to be in the 1940's. The building is constructed of concrete, brick, and wood with an asphalt shingle/rolled roof system. The building may have been heated with a small boiler due to abandoned piping in the basement. A furnace was observed in the basement but was not active. The main structure is unoccupied and in poor condition. Several areas of the roof collapsed into the building and some of the wall finishes have completely deteriorated leaving exposed wall studs. Water damaged building materials were observed throughout the first floor.

The first floor and basement of the main building were used as the shop area. This area remains scattered with furniture and office equipment from the former business. There is an apartment located on the second floor. A garage is located behind the main building that was used for furniture repair/storage.

The current scope of the abandoned property is unknown. The structure may be demolished, or possibly renovated. The survey performed was a renovation-level survey. Exploratory investigations will be required if the building is ultimately scheduled for demolition. Currently, we have assumed asbestos containing pipe insulation within wall cavities and wire insulation. Asbestos containing materials are scattered throughout the interior and exterior of the building. The ACM will require removal prior to renovation or demolition activities and are expected to have a reasonable impact on project costs.

There is potential of the building being structurally condemned by a professional engineer due to deteriorated conditions. If the building is condemned, this will affect the procedures used for asbestos abatement.

Included in this report are the following: Drawings indicating approximate bulk sample locations, chain-of-custody forms, laboratory results, laboratory accreditations, and consultant's license and certification.

It is the belief of Watts that this testing has identified all ACM, LBP and PCBs within the project limits where work will occur. However, if additional suspect materials are identified during the project that have not been sampled, it is recommended that samples of each material be collected and analyzed as appropriate.

2.0 – ASBESTOS-CONTAINING MATERIALS

2.0 ASBESTOS-CONTAINING MATERIALS

This section includes information on all suspect ACM sampled. This section contains the following: a Homogeneous Materials List containing the homogeneous materials identified, their corresponding sample numbers, and whether or not they are ACM, as well as drawings identifying the approximate locations of asbestos bulk samples.

Sampling and Laboratory Methodology

A NYSDOL-certified asbestos inspector from Watts collected bulk samples of all suspect ACM that was identified to be associated with the project limits. Bulk samples were collected using simple hand tools from each matrix identified as a potential ACM.

Samples were delivered with the proper chain-of-custody forms to AmeriSci Richmond, Midlothian, VA a New York State-accredited laboratory that is a participant in the Environmental Laboratory Approval Program (ELAP) and National Voluntary Laboratory Approval Program (NVLAP). All materials, except ceiling tiles and non-friable organically bound (NOB) materials, were analyzed using Polarized Light Microscopy (PLM) using Method 198.1. Ceiling tiles and NOBs, which include, but are not limited to, flooring materials, mastics, and caulks underwent gravimetric reduction and were analyzed by Polarized Light Microscopy (PLM) Method 198.6. Any ceiling tiles or NOB materials that were found to be negative under PLM were then analyzed by Transmission Electron Microscopy (TEM) Method 198.4. The New York State Department of Health (NYSDOH) protocol requires analysis by TEM if the PLM analysis does not confirm the presence of asbestos.

TABLE 2.1
HOMOGENEOUS MATERIALS LIST
600 RIDGE ROAD
WEBSTER, NY

Material Description	Sample Location	Type	Sample Number	Results (% Asbestos)			ACM
				PLM 198.1	NOB 198.6	TEM 198.4	Y/N
Cloth and Braided Wire Insulation	NA	M	NA	NA	NA	NA	1Y
Roofing Materials	NA	M	NA	NA	NA	NA	2Y
Pipe Insulation	Basement	T	20220213-01	50% Chrysotile	NA	NA	Y
Gray Drywall	Basement stairwell Front room, west wall	M	20220213-02 20220213-03	NAD NAD	NA NA	NA NA	N
White Joint Compound	2 nd floor bath ceiling	M	20220213-04 20220213-05	NAD NAD	NA NA	NA NA	N
White Joint Compound	2 nd floor living room Basement stairwell	M	20220213-06 20220213-07	NAD NAD	NA NA	NA NA	N
Tan 2 x 4 Suspended Ceiling Tile	1 st floor front room	M	20220213-08 20220213-09	NA NA	NAD NAD	NAD NAD	N
Brown Wallboard	At furnace in front room	M	20220213-10 20220213-11	NAD NAD	NA NA	NA NA	N
White Textured Ceiling	1 st floor under stairwell	M	20220213-12 20220213-13	.5% Chrysotile .3% Chrysotile	NA NA	NA NA	N
Brown Wall Panel Mastic	1 st floor outside backroom	M	20220213-14 20220213-15	NA NA	4.9% Chrysotile NA/PS	NA NA	Y
White/Tan Sheet Vinyl	1 st floor at entry	M	20220213-16 20220213-19	NA NA	5% Chrysotile NA/PS	NA NA	Y
White 9 x 9 Floor Tile	1 st floor at entry	M	20220213-17 20220213-20	NA NA	5.1% Chrysotile NA/PS	NA NA	Y
Black Floor Tile Mastic	1 st floor at entry	M	20220213-18 20220213-21	NA NA	3.8% Chrysotile NA/PS	NA NA	Y
White/Gray Pebbled Sheet Vinyl	Back area by basement stairs	M	20220213-22 20220213-23	NA NA	NAD NAD	NAD NAD	N
Tan/Pink Sheet Vinyl	2 nd floor kitchen (top layer)	M	20220213-24 20220213-25	NA NA	NAD NAD	NAD NAD	N
Tan Linoleum	2 nd floor kitchen (bottom layer)	M	20220213-26 20220213-27	NA NA	NAD NAD	NAD NAD	N
Tan/Pink/Blue 9 x 9 Floor Tile	2 nd floor living room	M	20220213-28 20220213-30	NA NA	7.3% Chrysotile NA/PS	NA NA	Y
Black Floor Tile Mastic	2 nd floor living room	M	20220213-29 20220213-31	NA NA	NA/PS NA/PS	NA NA	Y

**TABLE 2.1
HOMOGENEOUS MATERIALS LIST
600 RIDGE ROAD
WEBSTER, NY**

Material Description	Sample Location	Type	Sample Number	Results (% Asbestos)			ACM
				PLM 198.1	NOB 198.6	TEM 198.4	Y/N
Maroon 9x9 Floor Tile	2 nd floor closet	M	20220213-32 20220213-34	NA NA	6.1% Chrysotile NA/PS	NA NA	Y
Black Floor Tile Mastic	2 nd floor closet	M	20220213-33 20220213-35	NA NA	NA/PS NA/PS	NA NA	Y
White Wall Plaster Skim Coat	1 st floor	S	20220213-36 20220213-38 20220213-40 20220213-42 20220213-44 20220213-46 20220213-48	NAD NAD NAD NAD NAD NAD NAD	NA NA NA NA NA NA NA	NA NA NA NA NA NA NA	N
Gray Wall Plaster Base Coat	1 st floor	S	20220213-37 20220213-39 20220213-41 20220213-43 20220213-45 20220213-47 20220213-49	NAD NAD NAD NAD NAD NAD NAD	NA NA NA NA NA NA NA	NA NA NA NA NA NA NA	N
White Window Glazing Compound	Garage	M	20220213-50 20220213-51	NA NA	<.3% Chrysotile <.3% Chrysotile	2.2% Chrysotile NA/PS	Y
Window Caulk	Exterior, storefront windows (frame to brick)	M	20220213-52 20220213-53	NA NA	3.2% Chrysotile NA/PS	NA NA	Y
Tan Ceiling Plaster Skim Coat	Stairwell Middle of first floor	S	20220213-54 20220213-56 20220213-58 20220213-60 20220213-62 20220213-64 20220213-66	1.5% Chrysotile NA/PS NA/PS NA/PS NA/PS NA/PS NA/PS	NA NA NA NA NA NA NA	NA NA NA NA NA NA NA	Y
Gray Ceiling Plaster Base Coat	Stairwell Middle of first floor	S	20220213-55 20220213-57 20220213-59 20220213-61 20220213-63 20220213-65 20220213-67	NAD NAD NAD NAD NAD NAD NAD	NA NA NA NA NA NA NA	NA NA NA NA NA NA NA	N
Window Glazing Compound	2 nd floor closet window	M	20220213-68 20220213-69	NA NA	NAD NAD	<1% Chrysotile Trace Anthophyllite <1% Chrysotile Trace Anthophyllite	N

**TABLE 2.1
HOMOGENEOUS MATERIALS LIST
600 RIDGE ROAD
WEBSTER, NY**

Material Description	Sample Location	Type	Sample Number	Results (% Asbestos)			ACM
				PLM 198.1	NOB 198.6	TEM 198.4	Y/N
Window Glazing Compound	Basement	M	20220213-70 20220213-71	NA NA	NAD NAD	NAD NAD	N
Tan Sheet Vinyl	2 nd floor bathroom	M	20220213-72 20220213-73	NA NA	NAD NAD	Trace Chrysotile Trace Chrysotile	N
White Textured Ceiling	2 nd floor living room	M	20220213-74 20220213-75	NAD NAD	NA NA	NA NA	N
Window Caulk	Exterior, west side	M	20220213-76 20220213-77	NA NA	NAD NAD	NAD NAD	N
Window Caulk	Exterior, storefront windows on flashing	M	20220213-78 20220213-79	NA NA	15% Chrysotile NA/PS	NA NA	Y
Window Caulk	Exterior, storefront windows on flashing	M	20220213-80 20220213-81	NA NA	NAD NAD	NAD NAD	N

¹Y – Cloth and braided wire insulation is assumed to be asbestos containing. The wires are assumed to be energized.

²Y – The roof collapsed into the main building in several locations. The roof was determined to be unsafe for asbestos bulk sampling due to this condition. To properly sample the roof, an aerial lift is recommended for access.

Abbreviations:

NA = Not analyzed

NAD = No asbestos detected

Type

T = Thermal

S = Surfacing

M = Miscellaneous

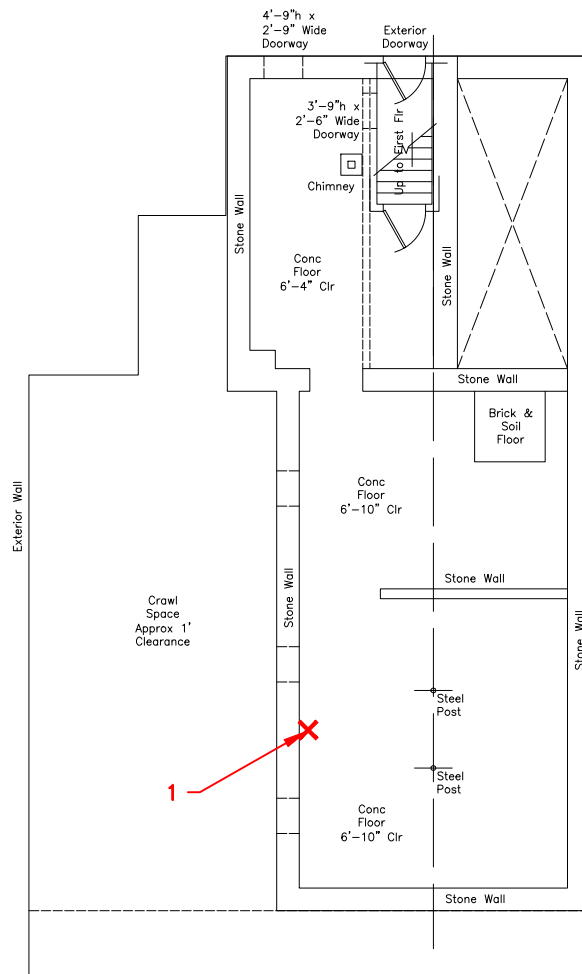
ACM

Y = Yes

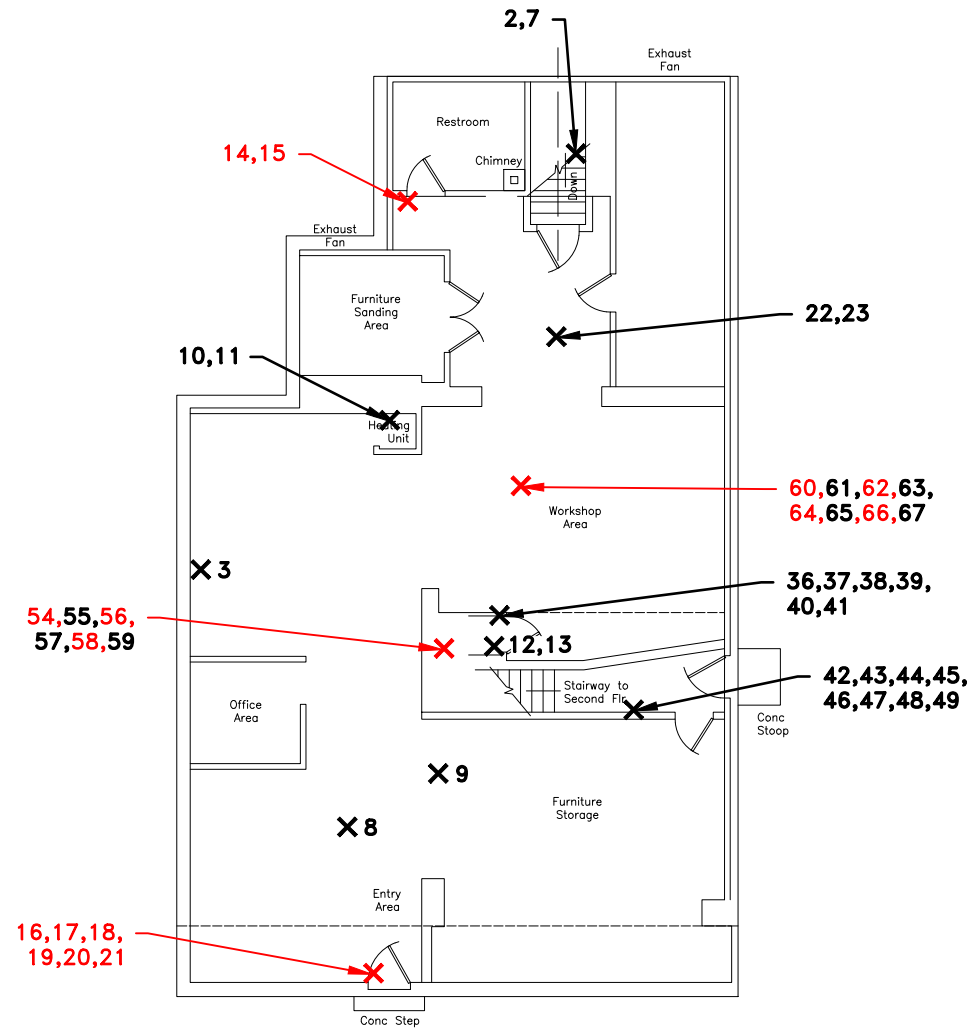
N = No

2.2 – BULK SAMPLE LOCATION DRAWINGS

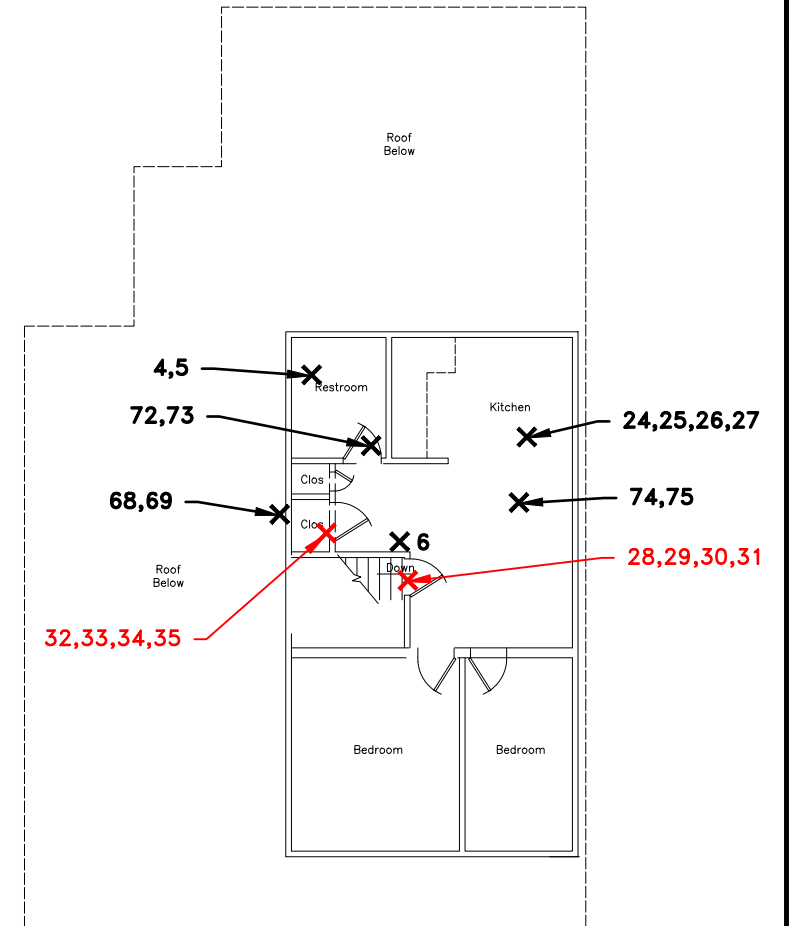
R:\2022\20220213 600 Ridge Road\18. CADD\Env\20220213_SL.dwg Nov 30, 2022, 1:50pm



BASEMENT FLOOR PLAN



FIRST FLOOR PLAN



SECOND FLOOR PLAN



ALL SAMPLES ARE PREFIXED BY **20220213-**
SAMPLES WERE COLLECTED ON OCTOBER 29, 2022.
X INDICATES APPROXIMATE SAMPLE LOCATION
X SAMPLE NUMBERS IN RED WERE IDENTIFIED TO BE ACM.



ASBESTOS BULK SAMPLE LOCATIONS
BASEMENT, FIRST & SECOND FLOOR PLANS

SURVEY AT 600 RIDGE ROAD

NOT TO SCALE

NOVEMBER 2022

R:\2022\20220213 600 Ridge Road\18. CADD\Env\20220213_SL.dwg Nov 28, 2022, 11:34am



SITE PLAN

SURVEY AT

ALL SAMPLES ARE PREFIXED BY **20220213-**
SAMPLES WERE COLLECTED ON OCTOBER 29, 2022.
X INDICATES APPROXIMATE SAMPLE LOCATION
X SAMPLE NUMBERS IN RED WERE IDENTIFIED TO BE ACM.



ASBESTOS BULK SAMPLE LOCATIONS	
XXXX SITE PLAN	
 XX 600 RIDGE ROAD XX	
NOT TO SCALE	NOVEMBER 2022

2.3 – PHOTOGRAPHS



Photo 1 – First floor overview. Note deteriorated site conditions present.



Photo 2 – First floor ceiling collapse in the back of the first floor.



Photo 3 – View of asbestos-containing sheet vinyl floor at entry.
9 x 9 floor tile located below sheet vinyl.



Photo 4 – View of asbestos-containing 9"x 9" white floor tile and associated black floor tile mastic
on the first floor.



Photo 5 – View of asbestos-containing ceiling plaster skim coat on the first floor workshop area.



Photo 6 – View of asbestos-containing pipe insulation in the basement. Assumed present in wall cavities on the first floor.



Photo 7 – View of assumed asbestos-containing braided wire insulation in the basement.



Photo 8 – View of wall panels with asbestos-containing mastic on the first floor.
Note: Dangerous site conditions, ceiling collapsed.



Photo 9 – View of asbestos containing 9 x 9 pink floor tile and associated black floor tile mastic under carpet in the second-floor apartment.



Photo 10 – View of asbestos containing 9 x 9 maroon floor tile and associated black floor tile mastic under carpet in the second-floor apartment.



Photo 11 – View of asbestos containing window caulk copper frame to brick on the exterior storefront windows.



Photo 12 – View of asbestos containing window glazing compound on exterior garage window.



Photo 13 – View of asbestos containing window caulk on the copper window frame on the storefront windows, front of building.

2.4 – LABORATORY REPORTS AND CHAIN-OF-CUSTODY FORMS

**AmeriSci Richmond**

13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Watts Architecture & Engineers
Attn: Geoff Bijak
95 Perry Street
Suite 300
Buffalo, NY 14203

Date Received 10/31/22 **AmeriSci Job #** 122102034
Date Examined 11/04/22 **P.O. #**
ELAP # 10984 **Page** 1 of 16
RE: 20220213; 600 Ridge Road; Webster, New York 14580

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220213-01 1 Location: Pipe Insulation; Basement	122102034-01	Yes	50% (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 50% Other Material: Cellulose 25%, Non-fibrous 25%			
20220213-02 2 Location: Gray Drywall; Basement Stairwell	122102034-02	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: White/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 3.0%, Non-fibrous 97%			
20220213-03 2 Location: Gray Drywall; Front Room At West Wall	122102034-03	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: White/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 3.0%, Non-fibrous 97%			
20220213-04 3 Location: White Joint Compound; 2nd Floor, Bathroom Ceiling	122102034-04	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
20220213-05 3 Location: White Joint Compound; 2nd Floor, Bathroom Ceiling	122102034-05	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

20220213; 600 Ridge Road; Webster, New York 14580

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220213-06 3	122102034-06 Location: White Joint Compound; 2nd Floor, Living Room	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
20220213-07 3	122102034-07 Location: White Joint Compound; Basement Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
20220213-08 4	122102034-08 Location: Tan 2x4 Suspended Ceiling Tile; Front Room	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 11% Comment: Heat Sensitive (organic): 83.7%; Acid Soluble (inorganic): 4.4%; Inert (Non-asbestos): 11.9%			
20220213-09 4	122102034-09 Location: Tan 2x4 Suspended Ceiling Tile; Front Room	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 12% Comment: Heat Sensitive (organic): 83.9%; Acid Soluble (inorganic): 4.0%; Inert (Non-asbestos): 12.1%			
20220213-10 5	122102034-10 Location: Brown Wallboard; At Furnace In Front Room	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 90%, Non-fibrous 10%			

PLM Bulk Asbestos Report

20220213; 600 Ridge Road; Webster, New York 14580

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220213-11 5	122102034-11 Location: Brown Wallboard; At Furnace In Front Room	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 90%, Non-fibrous 10%			
20220213-12 6	122102034-12 Location: White Textured Ceiling; 1st Floor Under Stairwell	Yes	0.5% (EPA 600/M4-82-020) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 0.5% Other Material: Non-fibrous 99%			
20220213-13 6	122102034-13 Location: White Textured Ceiling; 1st Floor Under Stairwell	Yes	0.3% (EPA 600/M4-82-020) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 0.3% Other Material: Non-fibrous 99%			
20220213-14 7	122102034-14 Location: Brown Wall Paneling Mastic; Behind Wall Paneling By Back Room	Yes	5.0% (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 5.0% Other Material: Non-fibrous 34% Comment: Heat Sensitive (organic): 57.0%; Acid Soluble (inorganic): 3.5%; Inert (Non-asbestos): 34.7%			
20220213-15 7	122102034-15 Location: Brown Wall Paneling Mastic; Behind Wall Paneling By Back Room		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material: Comment: Heat Sensitive (organic): 52.2%; Acid Soluble (inorganic): 16.0%; Inert (Non-asbestos): 31.8%			

PLM Bulk Asbestos Report

20220213; 600 Ridge Road; Webster, New York 14580

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220213-16 8	122102034-16 Location: White/Tan Sheet Vinyl; At Front Door	Yes	5.0% (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 5.0% Other Material: Comment: Heat Sensitive (organic): 92.6%; Acid Soluble (inorganic): 2.4%; Inert (Non-asbestos): 0.0%			
20220213-17 9	122102034-17 Location: White 9x9 Floor Tile; At Front Door	Yes	5.1% (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 5.1% Other Material: Non-fibrous 53% Comment: Heat Sensitive (organic): 19.4%; Acid Soluble (inorganic): 22.4%; Inert (Non-asbestos): 53.1%			
20220213-18 10	122102034-18 Location: Black Floor Tile Mastic; At Front Door	Yes	3.8% (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 3.8% Other Material: Non-fibrous 10% Comment: Heat Sensitive (organic): 60.9%; Acid Soluble (inorganic): 24.9%; Inert (Non-asbestos): 10.4%			
20220213-19 8	122102034-19 Location: White/Tan Sheet Vinyl; At Front Door		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material: Comment: Heat Sensitive (organic): 91.8%; Acid Soluble (inorganic): 3.5%; Inert (Non-asbestos): 4.6%			
20220213-20 9	122102034-20 Location: White 9x9 Floor Tile; At Front Door		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material: Comment: Heat Sensitive (organic): 20.3%; Acid Soluble (inorganic): 17.3%; Inert (Non-asbestos): 62.3%			

PLM Bulk Asbestos Report

20220213; 600 Ridge Road; Webster, New York 14580

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220213-21 10	122102034-21 Location: Black Floor Tile Mastic ; At Front Door		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material: Comment: Heat Sensitive (organic): 76.0%; Acid Soluble (inorganic): 10.5%; Inert (Non-asbestos): 13.5%			
20220213-22 11	122102034-22 Location: White/Gray Pebbled Sheet Vinyl; At Door To Basement Stairs	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 4.5% Comment: Heat Sensitive (organic): 95.4%; Inert (Non-asbestos): 4.5%			
20220213-23 11	122102034-23 Location: White/Gray Pebbled Sheet Vinyl; At Door To Basement Stairs	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 10% Comment: Heat Sensitive (organic): 88.0%; Acid Soluble (inorganic): 1.6%; Inert (Non-asbestos): 10.4%			
20220213-24 12	122102034-24 Location: Tan/Pink Sheet Vinyl; 2nd Floor Kitchen, Top Layer	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 3.6% Comment: Heat Sensitive (organic): 50.6%; Acid Soluble (inorganic): 45.8%; Inert (Non-asbestos): 3.6%			
20220213-25 12	122102034-25 Location: Tan/Pink Sheet Vinyl; 2nd Floor Kitchen, Top Layer	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 3.2% Comment: Heat Sensitive (organic): 50.9%; Acid Soluble (inorganic): 45.9%; Inert (Non-asbestos): 3.2%			

PLM Bulk Asbestos Report

20220213; 600 Ridge Road; Webster, New York 14580

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220213-26 13	122102034-26 Location: Tan Linoleum; 2nd Floor Kitchen, Bottom Layer	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 58% Comment: Heat Sensitive (organic): 22.3%; Acid Soluble (inorganic): 19.2%; Inert (Non-asbestos): 58.5%			
20220213-27 13	122102034-27 Location: Tan Linoleum; 2nd Floor Kitchen, Bottom Layer	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 53% Comment: Heat Sensitive (organic): 25.7%; Acid Soluble (inorganic): 21.1%; Inert (Non-asbestos): 53.2%			
20220213-28 14	122102034-28 Location: Tan/Pink/Blue 9x9 Floor Tile; 2nd Floor, Living Room	Yes	7.4% (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 7.4% Other Material: Non-fibrous 60% Comment: Heat Sensitive (organic): 22.1%; Acid Soluble (inorganic): 9.9%; Inert (Non-asbestos): 60.6%			
20220213-29 9	122102034-29 Location: Black Floor Tile Mastic ; 2nd Floor, Living Room		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material: Comment: Heat Sensitive (organic): 81.8%; Acid Soluble (inorganic): 9.5%; Inert (Non-asbestos): 8.7%			
20220213-30 14	122102034-30 Location: Tan/Pink/Blue 9x9 Floor Tile; 2nd Floor, Living Room		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material: Comment: Heat Sensitive (organic): 21.6%; Acid Soluble (inorganic): 14.5%; Inert (Non-asbestos): 63.9%			

PLM Bulk Asbestos Report

20220213; 600 Ridge Road; Webster, New York 14580

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220213-31 9	122102034-31 Location: Black Floor Tile Mastic ; 2nd Floor, Living Room		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material: Comment: Heat Sensitive (organic): 77.4%; Acid Soluble (inorganic): 13.2%; Inert (Non-asbestos): 9.4%			
20220213-32 15	122102034-32 Location: Maroon 9x9 Floor Tile; 2nd Floor Closet	Yes	6.1% (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Red, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 6.1% Other Material: Non-fibrous 59% Comment: Heat Sensitive (organic): 21.1%; Acid Soluble (inorganic): 13.7%; Inert (Non-asbestos): 59.2%			
20220213-33 9	122102034-33 Location: Black Floor Tile Mastic ; 2nd Floor Closet		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material: Comment: Heat Sensitive (organic): 81.9%; Acid Soluble (inorganic): 7.9%; Inert (Non-asbestos): 10.3%			
20220213-34 15	122102034-34 Location: Maroon 9x9 Floor Tile; 2nd Floor Closet		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material: Comment: Heat Sensitive (organic): 21.2%; Acid Soluble (inorganic): 21.1%; Inert (Non-asbestos): 57.7%			
20220213-35 9	122102034-35 Location: Black Floor Tile Mastic ; 2nd Floor Closet		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material: Comment: Heat Sensitive (organic): 77.1%; Acid Soluble (inorganic): 11.0%; Inert (Non-asbestos): 11.9%			

PLM Bulk Asbestos Report

20220213; 600 Ridge Road; Webster, New York 14580

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220213-36 16	122102034-36 Location: White Wall Plaster Skim Coat; 1st Floor Behind Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
20220213-37 17	122102034-37 Location: Gray Wall Plaster Skim Coat; 1st Floor Behind Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Animal hair Trace, Non-fibrous 100%			
20220213-38 16	122102034-38 Location: White Wall Plaster Skim Coat; 1st Floor Behind Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
20220213-39 17	122102034-39 Location: Gray Wall Plaster Skim Coat; 1st Floor Behind Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Animal hair Trace, Non-fibrous 100%			
20220213-40 16	122102034-40 Location: White Wall Plaster Skim Coat; 1st Floor Behind Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
20220213-41 17	122102034-41 Location: Gray Wall Plaster Skim Coat; 1st Floor Behind Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Animal hair Trace, Non-fibrous 100%			

PLM Bulk Asbestos Report

20220213; 600 Ridge Road; Webster, New York 14580

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220213-42 16	122102034-42 Location: White Wall Plaster Skim Coat; Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
20220213-43 17	122102034-43 Location: Gray Wall Plaster Skim Coat; Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Animal hair Trace, Non-fibrous 100%			
20220213-44 16	122102034-44 Location: White Wall Plaster Skim Coat; Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
20220213-45 17	122102034-45 Location: Gray Wall Plaster Skim Coat; Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Animal hair Trace, Cellulose Trace, Non-fibrous 100%			
20220213-46 16	122102034-46 Location: White Wall Plaster Skim Coat; Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
20220213-47 17	122102034-47 Location: Gray Wall Plaster Skim Coat; Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Animal hair Trace, Cellulose Trace, Non-fibrous 100%			

PLM Bulk Asbestos Report

20220213; 600 Ridge Road; Webster, New York 14580

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220213-48 16	122102034-48 Location: White Wall Plaster Skim Coat; Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
20220213-49 17	122102034-49 Location: Gray Wall Plaster Skim Coat; Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/04/22
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Animal hair Trace, Cellulose Trace, Non-fibrous 100%			
20220213-50 18	122102034-50 Location: White Window Glazing Compound; Garage	Yes	Trace (<0.3 % pc) (NOB by EPA 600/M4-82-020) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <0.3 % pc Other Material: Non-fibrous 55% Comment: Heat Sensitive (organic): 12.9%; Acid Soluble (inorganic): 32.0%; Inert (Non-asbestos): 55.1%			
20220213-51 18	122102034-51 Location: White Window Glazing Compound; Garage	Yes	Trace (<0.3 % pc) (NOB by EPA 600/M4-82-020) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <0.3 % pc Other Material: Non-fibrous 71% Comment: Heat Sensitive (organic): 12.0%; Acid Soluble (inorganic): 16.6%; Inert (Non-asbestos): 71.4%			
20220213-52 19	122102034-52 Location: White Window Caulk; Exterior, Front Of Building	Yes	3.2% (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 3.2% Other Material: Non-fibrous 58% Comment: Heat Sensitive (organic): 10.9%; Acid Soluble (inorganic): 27.9%; Inert (Non-asbestos): 58.0%			

PLM Bulk Asbestos Report

20220213; 600 Ridge Road; Webster, New York 14580

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220213-53 19	122102034-53 Location: White Window Caulk; Exterior, Front Of Building		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material: Comment: Heat Sensitive (organic): 13.7%; Acid Soluble (inorganic): 24.1%; Inert (Non-asbestos): 62.2%			
20220213-54 20	122102034-54 Location: Tan Ceiling Plaster Skim Coat; Stairwell	Yes	1.5% (EPA 600/M4-82-020) by William M. Dunstan on 11/05/22
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 1.5% Other Material: Non-fibrous 98%			
20220213-55 21	122102034-55 Location: Grey Ceiling Plaster Base Coat; Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/05/22
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Animal hair Trace, Non-fibrous 100%			
20220213-56 20	122102034-56 Location: Tan Ceiling Plaster Skim Coat; Stairwell		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
20220213-57 21	122102034-57 Location: Grey Ceiling Plaster Base Coat; Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/05/22
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Animal hair Trace, Non-fibrous 100%			

PLM Bulk Asbestos Report

20220213; 600 Ridge Road; Webster, New York 14580

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220213-58 20	122102034-58 Location: Tan Ceiling Plaster Skim Coat; Stairwell		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
20220213-59 21	122102034-59 Location: Grey Ceiling Plaster Base Coat; Stairwell	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/05/22
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Animal hair Trace, Non-fibrous 100%			
20220213-60 20	122102034-60 Location: Tan Ceiling Plaster Skim Coat; Middle Of Front Room		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
20220213-61 21	122102034-61 Location: Grey Ceiling Plaster Base Coat; Middle Of Front Room	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/05/22
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Animal hair 0.0%, Non-fibrous 100%			
20220213-62 20	122102034-62 Location: Tan Ceiling Plaster Skim Coat; Middle Of Front Room		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
20220213-63 21	122102034-63 Location: Grey Ceiling Plaster Base Coat; Middle Of Front Room	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/05/22
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 3.0%, Non-fibrous 97%			

PLM Bulk Asbestos Report

20220213; 600 Ridge Road; Webster, New York 14580

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220213-64 20	122102034-64 Location: Tan Ceiling Plaster Skim Coat; Middle Of Front Room		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
20220213-65 21	122102034-65 Location: Grey Ceiling Plaster Base Coat; Middle Of Front Room	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/05/22
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose 3.0%, Non-fibrous 97%			
20220213-66 20	122102034-66 Location: Tan Ceiling Plaster Skim Coat; Middle Of Front Room		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
20220213-67 21	122102034-67 Location: Grey Ceiling Plaster Base Coat; Middle Of Front Room	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/05/22
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose 3.0%, Non-fibrous 97%			
20220213-68 22	122102034-68 Location: White Window Glazing Compound; Exterior - 2nd Floor Closet Window	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 60% Comment: Heat Sensitive (organic): 12.6%; Acid Soluble (inorganic): 27.3%; Inert (Non-asbestos): 60.0%			

PLM Bulk Asbestos Report

20220213; 600 Ridge Road; Webster, New York 14580

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220213-69 22	122102034-69 Location: White Window Glazing Compound; Exterior - 2nd Floor Closet Window	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 67% Comment: Heat Sensitive (organic): 15.7%; Acid Soluble (inorganic): 17.3%; Inert (Non-asbestos): 67.0%			
20220213-70 23	122102034-70 Location: White Window Glazing Compound; Basement Window	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 48% Comment: Heat Sensitive (organic): 14.9%; Acid Soluble (inorganic): 36.9%; Inert (Non-asbestos): 48.2%			
20220213-71 23	122102034-71 Location: White Window Glazing Compound; Basement Window	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 63% Comment: Heat Sensitive (organic): 15.0%; Acid Soluble (inorganic): 21.5%; Inert (Non-asbestos): 63.5%			
20220213-72 24	122102034-72 Location: Tan Sheet Vinyl; 2nd Floor Bathroom	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 8.7% Comment: Heat Sensitive (organic): 80.9%; Acid Soluble (inorganic): 10.5%; Inert (Non-asbestos): 8.7%			
20220213-73 24	122102034-73 Location: Tan Sheet Vinyl; 2nd Floor Bathroom	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 21% Comment: Heat Sensitive (organic): 63.8%; Acid Soluble (inorganic): 14.5%; Inert (Non-asbestos): 21.7%			

PLM Bulk Asbestos Report

20220213; 600 Ridge Road; Webster, New York 14580

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220213-74 25	122102034-74 Location: White Textured Ceiling; 2nd Floor Living Room	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/05/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
20220213-75 25	122102034-75 Location: White Textured Ceiling; 2nd Floor Living Room	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 11/05/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
20220213-76 26	122102034-76 Location: White Window Caulk; Exterior Westside	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 21% Comment: Heat Sensitive (organic): 36.5%; Acid Soluble (inorganic): 42.2%; Inert (Non-asbestos): 21.3%			
20220213-77 26	122102034-77 Location: White Window Caulk; Exterior Westside	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 29% Comment: Heat Sensitive (organic): 39.7%; Acid Soluble (inorganic): 30.5%; Inert (Non-asbestos): 29.9%			
20220213-78 27	122102034-78 Location: Tan Window Caulk; Exterior Southside	Yes	15% (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 14% Other Material: Non-fibrous 29% Comment: Heat Sensitive (organic): 17.2%; Acid Soluble (inorganic): 39.3%; Inert (Non-asbestos): 29.0%			

PLM Bulk Asbestos Report

20220213; 600 Ridge Road; Webster, New York 14580

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220213-79 27	122102034-79 Location: Tan Window Caulk; Exterior Southside		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material: Comment: Heat Sensitive (organic): 19.8%; Acid Soluble (inorganic): 34.4%; Inert (Non-asbestos): 45.8%			
20220213-80 28	122102034-80 Location: Black Window Caulk; Exterior Southside	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 29% Comment: Heat Sensitive (organic): 39.9%; Acid Soluble (inorganic): 30.6%; Inert (Non-asbestos): 29.4%			
20220213-81 28	122102034-81 Location: Black Window Caulk; Exterior Southside	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 11/04/22
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 16% Comment: Heat Sensitive (organic): 39.5%; Acid Soluble (inorganic): 44.4%; Inert (Non-asbestos): 16.1%			

Reporting Notes:

Analyzed by: William M. Dunstan
Date: 11/4/2022



Reviewed by: Glenn F. Massey



*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 microscope, Serial #233533, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Client Name: Watts Architecture & Engineers

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4
 20220213; 600 Ridge Road; Webster, New York 14580

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	20220213-01	1	----	----	----	----	Chrysotile 50	NA
	Location: Pipe Insulation; Basement							
02	20220213-02	2	----	----	----	----	NAD	NA
	Location: Gray Drywall; Basement Stairwell							
03	20220213-03	2	----	----	----	----	NAD	NA
	Location: Gray Drywall; Front Room At West Wall							
04	20220213-04	3	----	----	----	----	NAD	NA
	Location: White Joint Compound; 2nd Floor, Bathroom Ceiling							
05	20220213-05	3	----	----	----	----	NAD	NA
	Location: White Joint Compound; 2nd Floor, Bathroom Ceiling							
06	20220213-06	3	----	----	----	----	NAD	NA
	Location: White Joint Compound; 2nd Floor, Living Room							
07	20220213-07	3	----	----	----	----	NAD	NA
	Location: White Joint Compound; Basement Stairwell							
08	20220213-08	4	0.593	83.7	4.4	11.9	NAD	NAD
	Location: Tan 2x4 Suspended Ceiling Tile; Front Room							
09	20220213-09	4	0.392	83.9	4.0	12.1	NAD	NAD
	Location: Tan 2x4 Suspended Ceiling Tile; Front Room							
10	20220213-10	5	----	----	----	----	NAD	NA
	Location: Brown Wallboard; At Furnace In Front Room							
11	20220213-11	5	----	----	----	----	NAD	NA
	Location: Brown Wallboard; At Furnace In Front Room							
12	20220213-12	6	----	----	----	----	Chrysotile 0.5	NA
	Location: White Textured Ceiling; 1st Floor Under Stairwell							
13	20220213-13	6	----	----	----	----	Chrysotile 0.3	NA
	Location: White Textured Ceiling; 1st Floor Under Stairwell							
14	20220213-14	7	0.226	57.0	3.5	34.7	Chrysotile 4.9	NA
	Location: Brown Wall Paneling Mastic; Behind Wall Paneling By Back Room							
15	20220213-15	7	0.512	52.2	16.0	31.8	NA/PS	NA
	Location: Brown Wall Paneling Mastic; Behind Wall Paneling By Back Room							
16	20220213-16	8	0.288	92.6	2.4	0.0	Chrysotile 5.0	NA
	Location: White/Tan Sheet Vinyl; At Front Door							

See Reporting notes on last page

Client Name: Watts Architecture & Engineers

Table I
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AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	20220213-17	9	0.453	19.4	22.4	53.1	Chrysotile 5.1	NA
Location: White 9x9 Floor Tile; At Front Door								
18	20220213-18	10	0.051	60.9	24.9	10.4	Chrysotile 3.8	NA
Location: Black Floor Tile Mastic; At Front Door								
19	20220213-19	8	0.228	91.8	3.5	4.6	NA/PS	NA
Location: White/Tan Sheet Vinyl; At Front Door								
20	20220213-20	9	0.912	20.3	17.3	62.3	NA/PS	NA
Location: White 9x9 Floor Tile; At Front Door								
21	20220213-21	10	0.075	76.0	10.5	13.5	NA/PS	NA
Location: Black Floor Tile Mastic ; At Front Door								
22	20220213-22	11	0.213	95.4	0.0	4.5	NAD	NAD
Location: White/Gray Pebbled Sheet Vinyl; At Door To Basement Stairs								
23	20220213-23	11	0.255	88.0	1.6	10.4	NAD	NAD
Location: White/Gray Pebbled Sheet Vinyl; At Door To Basement Stairs								
24	20220213-24	12	0.351	50.6	45.8	3.6	NAD	NAD
Location: Tan/Pink Sheet Vinyl; 2nd Floor Kitchen, Top Layer								
25	20220213-25	12	0.303	50.9	45.9	3.2	NAD	NAD
Location: Tan/Pink Sheet Vinyl; 2nd Floor Kitchen, Top Layer								
26	20220213-26	13	0.793	22.3	19.2	58.5	NAD	NAD
Location: Tan Linoleum; 2nd Floor Kitchen, Bottom Layer								
27	20220213-27	13	0.706	25.7	21.1	53.2	NAD	NAD
Location: Tan Linoleum; 2nd Floor Kitchen, Bottom Layer								
28	20220213-28	14	0.569	22.1	9.9	60.6	Chrysotile 7.3	NA
Location: Tan/Pink/Blue 9x9 Floor Tile; 2nd Floor, Living Room								
29	20220213-29	9	0.094	81.8	9.5	8.7	NA/PS	NA
Location: Black Floor Tile Mastic ; 2nd Floor, Living Room								
30	20220213-30	14	0.804	21.6	14.5	63.9	NA/PS	NA
Location: Tan/Pink/Blue 9x9 Floor Tile; 2nd Floor, Living Room								
31	20220213-31	9	0.096	77.4	13.2	9.4	NA/PS	NA
Location: Black Floor Tile Mastic ; 2nd Floor, Living Room								
32	20220213-32	15	0.610	21.1	13.7	59.2	Chrysotile 6.1	NA
Location: Maroon 9x9 Floor Tile; 2nd Floor Closet								

See Reporting notes on last page

Client Name: Watts Architecture & Engineers

Table I
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 20220213; 600 Ridge Road; Webster, New York 14580

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	20220213-33	9	0.113	81.9	7.9	10.3	NA/PS	NA
	Location: Black Floor Tile Mastic ; 2nd Floor Closet							
34	20220213-34	15	1.436	21.2	21.1	57.7	NA/PS	NA
	Location: Maroon 9x9 Floor Tile; 2nd Floor Closet							
35	20220213-35	9	0.136	77.1	11.0	11.9	NA/PS	NA
	Location: Black Floor Tile Mastic ; 2nd Floor Closet							
36	20220213-36	16	----	----	----	----	NAD	NA
	Location: White Wall Plaster Skim Coat; 1st Floor Behind Stairwell							
37	20220213-37	17	----	----	----	----	NAD	NA
	Location: Gray Wall Plaster Skim Coat; 1st Floor Behind Stairwell							
38	20220213-38	16	----	----	----	----	NAD	NA
	Location: White Wall Plaster Skim Coat; 1st Floor Behind Stairwell							
39	20220213-39	17	----	----	----	----	NAD	NA
	Location: Gray Wall Plaster Skim Coat; 1st Floor Behind Stairwell							
40	20220213-40	16	----	----	----	----	NAD	NA
	Location: White Wall Plaster Skim Coat; 1st Floor Behind Stairwell							
41	20220213-41	17	----	----	----	----	NAD	NA
	Location: Gray Wall Plaster Skim Coat; 1st Floor Behind Stairwell							
42	20220213-42	16	----	----	----	----	NAD	NA
	Location: White Wall Plaster Skim Coat; Stairwell							
43	20220213-43	17	----	----	----	----	NAD	NA
	Location: Gray Wall Plaster Skim Coat; Stairwell							
44	20220213-44	16	----	----	----	----	NAD	NA
	Location: White Wall Plaster Skim Coat; Stairwell							
45	20220213-45	17	----	----	----	----	NAD	NA
	Location: Gray Wall Plaster Skim Coat; Stairwell							
46	20220213-46	16	----	----	----	----	NAD	NA
	Location: White Wall Plaster Skim Coat; Stairwell							
47	20220213-47	17	----	----	----	----	NAD	NA
	Location: Gray Wall Plaster Skim Coat; Stairwell							
48	20220213-48	16	----	----	----	----	NAD	NA
	Location: White Wall Plaster Skim Coat; Stairwell							

See Reporting notes on last page

Client Name: Watts Architecture & Engineers

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AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
49	20220213-49	17	----	----	----	----	NAD	NA
	Location: Gray Wall Plaster Skim Coat; Stairwell							
50	20220213-50	18	0.518	12.9	32.0	52.9	Chrysotile <0.3	Chrysotile 2.2
	Location: White Window Glazing Compound; Garage							
51	20220213-51	18	0.978	12.0	16.6	71.4	Chrysotile <0.3	NA/PS
	Location: White Window Glazing Compound; Garage							
52	20220213-52	19	0.507	10.9	27.9	58.0	Chrysotile 3.2	NA
	Location: White Window Caulk; Exterior, Front Of Building							
53	20220213-53	19	0.767	13.7	24.1	62.2	NA/PS	NA
	Location: White Window Caulk; Exterior, Front Of Building							
54	20220213-54	20	----	----	----	----	Chrysotile 1.5	NA
	Location: Tan Ceiling Plaster Skim Coat; Stairwell							
55	20220213-55	21	----	----	----	----	NAD	NA
	Location: Grey Ceiling Plaster Base Coat; Stairwell							
56	20220213-56	20	----	----	----	----	NA/PS	NA
	Location: Tan Ceiling Plaster Skim Coat; Stairwell							
57	20220213-57	21	----	----	----	----	NAD	NA
	Location: Grey Ceiling Plaster Base Coat; Stairwell							
58	20220213-58	20	----	----	----	----	NA/PS	NA
	Location: Tan Ceiling Plaster Skim Coat; Stairwell							
59	20220213-59	21	----	----	----	----	NAD	NA
	Location: Grey Ceiling Plaster Base Coat; Stairwell							
60	20220213-60	20	----	----	----	----	NA/PS	NA
	Location: Tan Ceiling Plaster Skim Coat; Middle Of Front Room							
61	20220213-61	21	----	----	----	----	NAD	NA
	Location: Grey Ceiling Plaster Base Coat; Middle Of Front Room							
62	20220213-62	20	----	----	----	----	NA/PS	NA
	Location: Tan Ceiling Plaster Skim Coat; Middle Of Front Room							
63	20220213-63	21	----	----	----	----	NAD	NA
	Location: Grey Ceiling Plaster Base Coat; Middle Of Front Room							
64	20220213-64	20	----	----	----	----	NA/PS	NA
	Location: Tan Ceiling Plaster Skim Coat; Middle Of Front Room							

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Client Name: Watts Architecture & Engineers

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4
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AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
65	20220213-65	21	----	----	----	----	NAD	NA
Location: Grey Ceiling Plaster Base Coat; Middle Of Front Room								
66	20220213-66	20	----	----	----	----	NA/PS	NA
Location: Tan Ceiling Plaster Skim Coat; Middle Of Front Room								
67	20220213-67	21	----	----	----	----	NAD	NA
Location: Grey Ceiling Plaster Base Coat; Middle Of Front Room								
68	20220213-68	22	0.535	12.6	27.3	59.7	NAD	Chrysotile <1.0 Anthophyllite Trace
Location: White Window Glazing Compound; Exterior - 2nd Floor Closet Window								
69	20220213-69	22	0.684	15.7	17.3	66.8	NAD	Chrysotile Trace Anthophyllite Trace
Location: White Window Glazing Compound; Exterior - 2nd Floor Closet Window								
70	20220213-70	23	0.572	14.9	36.9	48.2	NAD	NAD
Location: White Window Glazing Compound; Basement Window								
71	20220213-71	23	0.519	15.0	21.5	63.5	NAD	NAD
Location: White Window Glazing Compound; Basement Window								
72	20220213-72	24	0.194	80.9	10.5	8.6	NAD	Chrysotile Trace
Location: Tan Sheet Vinyl; 2nd Floor Bathroom								
73	20220213-73	24	0.284	63.8	14.5	21.6	NAD	Chrysotile Trace
Location: Tan Sheet Vinyl; 2nd Floor Bathroom								
74	20220213-74	25	----	----	----	----	NAD	NA
Location: White Textured Ceiling; 2nd Floor Living Room								
75	20220213-75	25	----	----	----	----	NAD	NA
Location: White Textured Ceiling; 2nd Floor Living Room								
76	20220213-76	26	0.336	36.5	42.2	21.3	NAD	NAD
Location: White Window Caulk; Exterior Westside								
77	20220213-77	26	0.358	39.7	30.5	29.9	NAD	NAD
Location: White Window Caulk; Exterior Westside								
78	20220213-78	27	0.335	17.2	39.3	29.0	Chrysotile 14	NA
Location: Tan Window Caulk; Exterior Southside								
79	20220213-79	27	0.326	19.8	34.4	45.8	NA/PS	NA
Location: Tan Window Caulk; Exterior Southside								
80	20220213-80	28	0.298	39.9	30.6	29.4	NAD	NAD
Location: Black Window Caulk; Exterior Southside								

See Reporting notes on last page

Client Name: Watts Architecture & Engineers

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4
 20220213; 600 Ridge Road; Webster, New York 14580

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
81	20220213-81	28	0.310	39.5	44.4	16.1	NAD	NAD
Location: Black Window Caulk; Exterior Southside								

Analyzed by: Glenn F. Massey

Date: 11/5/2022

Reviewed by: Glenn F. Massey

Semi-Quantitative Analysis: NAD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed due to positive stop; Trace = <1%; PLM analysis by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) or NY ELAP 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab # 10984); TEM prep by EPA 600/R-93/116 Section 2.3 (analysis by Section 2.5, not covered by NVLAP Bulk accreditation); or NY ELAP 198.4 for New York NOB samples (NY ELAP Lab # 10984). Analysis using Jeol, Model JEM-100CX II microscope, Serial #156147-247. ** Warning Notes: Consider PLM fiber diameter limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris, soils or other heterogeneous materials for which a combination PLM/TEM evaluation is recommended; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only.

**WATTS ARCHITECTURE & ENGINEERING
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY**

Page: _____ of _____

Client: Day Engineering, P.C.
 Project: 600 Ridge Road
 Building / Location: Webster, New York 14580
 Contact: Geoff Bljak at (585) 690-6485
 Preliminary Results to: tknapp@watts-ae.com and gbljak@watts-ae.com
 Mail Report & Invoice to: Watts Architecture & Engineering
95 Perry Street, Buffalo, NY 14203

122102034

Date: 10/29/2022

Watts Project No.: 20220213

Turnaround Requested:

Analysis Requested:

198.1 x 198.6 x
198.4 x

3 Hr. 48
6 Hr. 72
12 Hr. 4 C
24 Hr. X 5 C
1 V

Sample Number	Material Description	HA	Sample Location	Laboratory Res	
				PLM	T
20220213-01	Pipe Insulation	1	Basement		
20220213-02	Gray Drywall	2	Basement stairwell		
20220213-03	Gray Drywall	2	Front room at west wall		
20220213-04	White Joint Compound	3	2nd floor, bathroom ceiling		
20220213-05	White Joint Compound	3	2nd floor, bathroom ceiling		
20220213-06	White Joint Compound	3	2nd floor, living room		
20220213-07	White Joint Compound	3	Basement stairwell		
20220213-08	Tan 2x4 Suspended Ceiling Tile	4	Front room		
20220213-09	Tan 2x4 Suspended Ceiling Tile	4	Front room		
20220213-10	Brown Wallboard	5	At furnace in front room		
20220213-11	Brown Wallboard	5	At furnace in front room		
20220213-12	White Textured Ceiling	6	1st floor under stairwell		
20220213-13	White Textured Ceiling	6	1st floor under stairwell		
20220213-14	Brown Wall Paneling Mastic	7	Behind wall paneling by back room		
20220213-15	Brown Wall Paneling Mastic	7	Behind wall paneling by back room		
20220213-16	White/Tan Sheet Vinyl	8	At front door		
20220213-17	White 9x9 Floor Tile	9	At front door		
20220213-18	Black Floor Tile Mastic	10	At front door		

Sampled By: Ted Knapp Date: 10/28/22 Time: _____ Received By: _____ Date: _____

Relinquished By: Ted Knapp Date: 10/29/22 Time: _____ Received By: _____ Date: _____

Comments: If PLM NOB is negative, analyze by TEM. Stop at first positive for each homogeneous material description group.

If Vermiculite is detected, cease analysis and contact the Watts Project Manager for further instructions.

OCT 31 2022

By [Signature]

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**WATTS ARCHITECTURE & ENGINEERING
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198.1 x 198.6 x
198.4 x

3 Hr. _____ 48
6 Hr. _____ 72
12 Hr. _____ 4 C
24 Hr. _____ X 5 C
1 V

Sample Number	Material Description	HA	Sample Location	Laboratory Res	
				PLM	T
20220213-19	White/Tan Sheet Vinyl	8	At front door		
20220213-20	White 9x9 Floor Tile	9	At front door		
20220213-21	Black Floor Tile Mastic	10	At front door		
20220213-22	White/Gray Pebbled Sheet Vinyl	11	At door to basement stairs		
20220213-23	White/Gray Pebbled Sheet Vinyl	11	At door to basement stairs		
20220213-24	Tan/Pink Sheet Vinyl	12	2nd floor kitchen, top layer		
20220213-25	Tan/Pink Sheet Vinyl	12	2nd floor kitchen, top layer		
20220213-26	Tan Linoleum	13	2nd floor kitchen, bottom layer		
20220213-27	Tan Linoleum	13	2nd floor kitchen, bottom layer		
20220213-28	Tan/Pink /Blue 9x9 Floor Tile	14	2nd floor, living room		
20220213-29	Black Floor Tile Mastic	9	2nd floor, living room		
20220213-30	Tan/Pink/Blue 9x9 Floor Tile	14	2nd floor, living room		
20220213-31	Black Floor Tile Mastic	9	2nd floor, living room		
20220213-32	Maroon 9x9 Floor Tile	15	2nd floor closet		
20220213-33	Black Floor Tile Mastic	9	2nd floor closet		
20220213-34	Maroon 9x9 Floor Tile	15	2nd floor closet		
20220213-35	Black Floor Tile Mastic	9	2nd floor closet		

Sampled By: Ted Knapp Date: 10/28/22 Time: _____ Received By: _____ Date: _____
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198.1 x 198.6 x
198.4 x

3 Hr. 48
6 Hr. 72
12 Hr. 4 C
24 Hr. X 5 C
1 V

Sample Number	Material Description	HA	Sample Location	Laboratory Res	
				PLM	T
20220213-36	White Wall Plaster Skim Coat	16	1st floor behind stairwell		
20220213-37	Gray Wall Plaster Skim Coat	17	1st floor behind stairwell		
20220213-38	White Wall Plaster Skim Coat	16	1st floor behind stairwell		
20220213-39	Gray Wall Plaster Skim Coat	17	1st floor behind stairwell		
20220213-40	White Wall Plaster Skim Coat	16	1st floor behind stairwell		
20220213-41	Gray Wall Plaster Skim Coat	17	1st floor behind stairwell		
20220213-42	White Wall Plaster Skim Coat	16	Stairwell		
20220213-43	Gray Wall Plaster Skim Coat	17	Stairwell		
20220213-44	White Wall Plaster Skim Coat	16	Stairwell		
20220213-45	Gray Wall Plaster Skim Coat	17	Stairwell		
20220213-46	White Wall Plaster Skim Coat	16	Stairwell		
20220213-47	Gray Wall Plaster Skim Coat	17	Stairwell		
20220213-48	White Wall Plaster Skim Coat	16	Stairwell		
20220213-49	Gray Wall Plaster Skim Coat	17	Stairwell		
20220213-50	White Window Glazing Compound	18	Garage		
20220213-51	White Window Glazing Compound	18	Garage		
20220213-52	White Window Caulk	19	Exterior, front of building		
20220213-53	White Window Caulk	19	Exterior, front of building		

Sampled By: Ted Knapp **Date:** 10/28/22 **Time:** _____ **Received By:** _____ **Date:** _____
Relinquished By: Ted Knapp **Date:** 10/29/22 **Time:** _____ **Received By:** _____ **Date:** RECEIVED

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3 Hr. _____ 48
6 Hr. _____ 72
12 Hr. _____ 4 C
24 Hr. _____ X 5 C
1 V

Analysis Requested:

198.1 x 198.6 x
198.4 x

Sample Number	Material Description	HA	Sample Location	Laboratory Results	
				PLM	TEM
20220213-54	Tan Ceiling Plaster Skim Coat	20	Stairwell		
20220213-55	Gray Ceiling Plaster Base Coat	21	Stairwell		
20220213-56	Tan Ceiling Plaster Skim Coat	20	Stairwell		
20220213-57	Gray Ceiling Plaster Base Coat	21	Stairwell		
20220213-58	Tan Ceiling Plaster Skim Coat	20	Stairwell		
20220213-59	Gray Ceiling Plaster Base Coat	21	Stairwell		
20220213-60	Tan Ceiling Plaster Skim Coat	20	Middle of front room		
20220213-61	Gray Ceiling Plaster Base Coat	21	Middle of front room		
20220213-62	Tan Ceiling Plaster Skim Coat	20	Middle of front room		
20220213-63	Gray Ceiling Plaster Base Coat	21	Middle of front room		
20220213-64	Tan Ceiling Plaster Skim Coat	20	Middle of front room		
20220213-65	Gray Ceiling Plaster Base Coat	21	Middle of front room		
20220213-66	Tan Ceiling Plaster Skim Coat	20	Middle of front room		
20220213-67	Gray Ceiling Plaster Base Coat	21	Middle of front room		
20220213-68	White Window Glazing Compound	22	Exterior - 2nd floor closet window		
20220213-69	White Window Glazing Compound	22	Exterior - 2nd floor closet window		
20220213-70	White Window Glazing Compound	23	Basement window		
20220213-71	White Window Glazing Compound	23	Basement window		

Sampled By: Ted Knapp Date: 10/28/22 Time: _____ Received By: _____ Date: _____

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Turnaround Requested:

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		<u>6 Hr.</u>	<u>72</u>
198.1	x	<u>12 Hr.</u>	<u>4 C</u>
		<u>24 Hr.</u>	<u>X 5 C</u>
198.4	x		<u>1 V</u>

Sample Number	Material Description	HA	Sample Location	Laboratory Results	
				PLM	T
20220213-72	Tan Sheet Vinyl	24	2nd floor bathroom		
20220213-73	Tan Sheet Vinyl	24	2nd floor bathroom		
20220213-74	White Textured Ceiling	25	2nd floor living room		
20220213-75	White Textured Ceiling	25	2nd floor living room		
20220213-76	White Window Caulk	26	Exterior westside		
20220213-77	White Window Caulk	26	Exterior westside		
20220213-78	Tan Window Caulk	27	Exterior southside		
20220213-79	Tan Window Caulk	27	Exterior southside		
20220213-80	Black Window Caulk	28	Exterior southside		
20220213-81	Black Window Caulk	28	Exterior southside		

Sampled By: Ted Knapp Date: 10/28/22 Time: _____ Received By: _____ Date: _____
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OCT 31 2022

By _____

3.0 – LEAD-BASED PAINT

3.0 LEAD-BASED PAINT

Methodology

Painted building components were grouped by testing combinations. A testing combination is characterized by location, component type, substrate, and visible color. Refer to section 3.1 for a complete listing of all XRF readings that were taken for this project. Each XRF reading is identified by the side of the building it was collected from (North, South, East and West), the component analyzed, the substrate and the paint color of the visible paint film.

The lead-based paint survey was performed using the Department of Housing and Urban Development (HUD) protocol. Certain aspects of the HUD guidelines are typically applied to public and commercial buildings, most commonly the levels used to establish LBP. HUD defines LBP, when analyzed by a portable XRF, as paint that contains lead at 1.0 milligram per square centimeter or greater. When paint chips are analyzed by Atomic Absorption Spectroscopy (AAS), HUD defines LBP as paint containing 0.5 percent or greater (>0.5%) lead by weight.

For the purposes of this project, the Occupational Safety & Health Administration's (OSHA) Lead in Construction Standard (29 CFR 1926.62) applies. This standard applies to all construction work where an employee may be occupationally exposed to lead. Construction work is defined as work for construction, alteration and/or repair, including painting and decorating. It includes but is not limited to the following:

- Demolition or salvage of structures where lead or materials containing lead are present;
- Removal or encapsulation of materials containing lead;
- New construction, alteration, repair, or renovation of structures, substrates, or portions thereof, that contain lead, or materials containing lead;
- Installation of products containing lead;
- Lead contamination/emergency cleanup;
- Transportation, disposal, storage, or containment of lead or materials containing lead on the site or location at which construction activities are performed; and
- Maintenance operations associated with the construction activities.

XRF Calibration

In order to field verify the calibration and accuracy of the XRF equipment, "calibration checks" are made both by the equipment itself and by the operator. Before the XRF will allow any testing for lead-based paint, it requires a "standardization" reading. This is accomplished by placing the standardization clip over the end of the XRF when prompted by the XRF. Upon the completion of the standardization reading, the XRF will display a Pass or Fail result. If the standardization is successful, the operator checks the calibration of the XRF against National Institute of Standards and Technology (NIST) lead samples that were

provided by the manufacturer. The operator's calibration checks are taken at the beginning and the end of the testing period, and approximately every four hours, if necessary. The calibration checks are acceptable if the average of the three readings is between 1.0 and 1.1 mg/cm².

Watts utilized the existing room names identified for the purposes of the testing. Refer to the asbestos sample location drawings for room names/locations.

Disclaimer

This report is based primarily on the results of visual site observations and a general survey of the conditions within the project limits at 600 Ridge Road in Webster, NY. Watts did not perform a comprehensive inspection (room by room) of all interior and exterior building components. Representative XRF readings were taken from each distinct type of building component associated with the building in order to be able to determine if those components were covered with lead-based paint.

Based on the XRF readings, the following building components were determined to be coated with lead-based paint:

- White wood door
- White drywall wall
- Off-white wood window/window trim
- Yellow wood door
- White wood window/window trim
- Red door casing
- Red brick siding
- Red CMU block siding
- Red wood siding
- Red concrete siding
- Red wood door trim
- Red wood window/window trim

The lead-based paint survey was performed by Watts on October 27, 2022.

Theodore Knapp

Lead Inspector

Theodore Knapp

Signature

LBP-I-1225640-1

Certification Number

3.1 – XRF READINGS

**600 RIDGE ROAD
WEBSTER, NEW YORK 14580**

Testing Date: October 27, 2022

Innov-X DCC-4000 S/N 571370

Reading	Room or Location	Side	Component	Substrate	Color	Condition	Floor	Results (mg/cm2)
1	Calibration Check							PASSED
2	Calibration							1.16
3	Calibration							1.32
4	Calibration							1.25
5	Front Room	South	Door	Wood	White	Intact	First	1.65
6	Front Room	South	Pipe	Metal	Tan	Intact	First	0.36
7	Front Room	East	Tin Ceiling	Metal	White	Poor	First	0.21
8	Front Room	East	Wall	Wood	Light Brown	Intact	First	0
9	Front Room	Center	Ceiling Track	Wood	White	Intact	First	0
10	Front Room	Center	Ceiling	Plaster	White	Intact	First	0
11	Front Room	Center	Ceiling	Drywall	White	Intact	First	0.01
12	Far Back Room	South	Door	Drywall	White	Peeling	First	2.41
13	Far Back Room	South	Cabinet	Wood	Off-White	Peeling	First	0.4
14	Far Back Room	North	Wall	Plaster	Off-White	Peeling	First	0.15
15	Far Back Room	North	Window	Wood	Off-White	Peeling	First	2.44
16	Far Back Room	North	Window Trim	Wood	Off-White	Peeling	First	2.55
17	Back Stairs	East	Wall	Drywall	White	Intact	First	0
18	Back Stairs	East	Ceiling	Drywall	White	Intact	First	0
19	Collapsed-In Room	West	Door	Wood	Yellow	Peeling	First	2.22
20	Stairwell	East	Door	Wood	White	Intact	First	0.18
21	Stairwell	North	Door	Drywall	Brown	Intact	First	0
22	Stairwell	South	Door	Plaster	Brown	Intact	First	0.03
23	Stairwell	Center	Railing	Wood	White	Intact	First	0.07
24	Living Room	Center	Ceiling	Drywall	White	Intact	Second	0
25	Living Room	West	Wall	Drywall	Green	Intact	Second	0
26	Closet	West	Wall	Drywall	White	Intact	Second	0
27	Closet	West	Ceiling	Drywall	White	Intact	Second	0
28	Closet	West	Window	Wood	White	Intact	Second	5
29	Closet	West	Window Trim	Wood	White	Intact	Second	2.55
30	Bath Room	West	Wood	Drywall	Off-White	Intact	Second	0
31	Bath Room	North	Window	Wood	White	Intact	Second	0.01
32	Bath Room	North	Ceiling	Drywall	White	Intact	Second	0
33	Small Bedroom	East	Wall	Wood	Green	Intact	Second	0.02
34	Small Bedroom	West	Wall	Wood	Green	Intact	Second	0.02
35	Large Bedroom	West	Wall	Wood	Light Blue	Intact	Second	0
36	Large Bedroom	South	Wall	Wood	Light Blue	Intact	Second	0
37	Exterior	South	Window Trim	Copper	Teal	Intact	Exterior	0.01
38	Exterior	South	Door	Wood	Yellow	Peeling	Exterior	3.46
39	Exterior	South	Door Casing	Wood	Red	Peeling	Exterior	5
40	Exterior	South	Door Trim	Wood	Red	Peeling	Exterior	0.92
41	Exterior	South	Siding	Metal	White	Intact	Exterior	0.24
42	Exterior	East	Siding	Brick	Red	Intact	Exterior	5
43	Exterior	East	Siding	Brick	Red	Intact	Exterior	5
44	Exterior	East	Wood	Wood	Grey	Intact	Exterior	0.48
45	Exterior	East	Window	Wood	White	Intact	Exterior	0.05
46	Exterior	East	Window Trim	Wood	White	Intact	Exterior	0.01
47	Exterior	East	Window Trim	Wood	White	Intact	Exterior	0.32
48	Exterior	East	Siding	Wood	Red	Intact	Exterior	0
49	Exterior	East	Siding	CMU Block	Red	Intact	Exterior	5
50	Exterior	North	Siding	CMU Block	Red	Intact	Exterior	0.59
51	Exterior	North	Siding	Wood	Red	Intact	Exterior	5
52	Exterior	West	Siding	Wood	Red	Intact	Exterior	5
53	Exterior	West	Siding	Concrete	Red	Intact	Exterior	0.68

**600 RIDGE ROAD
WEBSTER, NEW YORK 14580**

Testing Date: October 27, 2022

Innov-X DCC-4000 S/N 571370

Reading	Room or Location	Side	Component	Substrate	Color	Condition	Floor	Results (mg/cm ²)
54	Exterior	West	Siding	Concrete	Red	Intact	Exterior	3.46
55	Exterior	West	Siding	Concrete	Red	Intact	Exterior	4.35
56	Garage Interior	Center	Door Trim	Wood	Red	Peeling	First	2.07
57	Garage Interior	Center	Door Trim	Wood	Red	Peeling	First	0.33
58	Garage Interior	Center	Overhead Door	Wood	Red	Intact	First	0.01
59	Garage Interior	Center	Overhead Door	Wood	Red	Intact	First	0
60	Garage Interior	South	Door	Metal	Grey	Intact	First	0
61	Garage Interior	South	Door Trim	Wood	Grey	Intact	First	0
62	Garage	South	Siding	CMU Block	Red	Intact	Exterior	0.59
63	Garage	West	Siding	CMU Block	Red	Intact	Exterior	0.05
64	Garage	West	Window	Wood	Red	Intact	Exterior	3.27
65	Garage	West	Window Trim	Wood	Red	Intact	Exterior	2.35
66	Calibration Check							PASSED
67	Calibration							1.16
68	Calibration							1.14
69	Calibration							1.14

Readings > 1.0 mg/cm² are considered lead-based paint.

4.0 - POLYCHLORINATED BIPHENYLS IN CAULK/SEALANTS

4.0 POLYCHLORINATED BIPHENYLS IN CAULKS/SEALANTS

Watts' investigated caulk/sealants within the proposed project limits to determine if PCBs were present. Samples were collected using simple hand tools from each matrix identified as a potential PCB-containing material. The samples were analyzed by Schneider Laboratories Global of Richmond, VA, a NYSDOH approved laboratory. The samples were analyzed using USEPA SW-846 Method 8082, PCBs.

PCB bulk product waste is defined as building materials that contain PCBs at concentrations ≥ 50 ppm. Materials identified as PCB bulk product waste must follow specific storage, transport and disposal requirements.

The following table identifies the samples that were collected, their corresponding sample numbers, and individual PCB Aroclor analytical results.

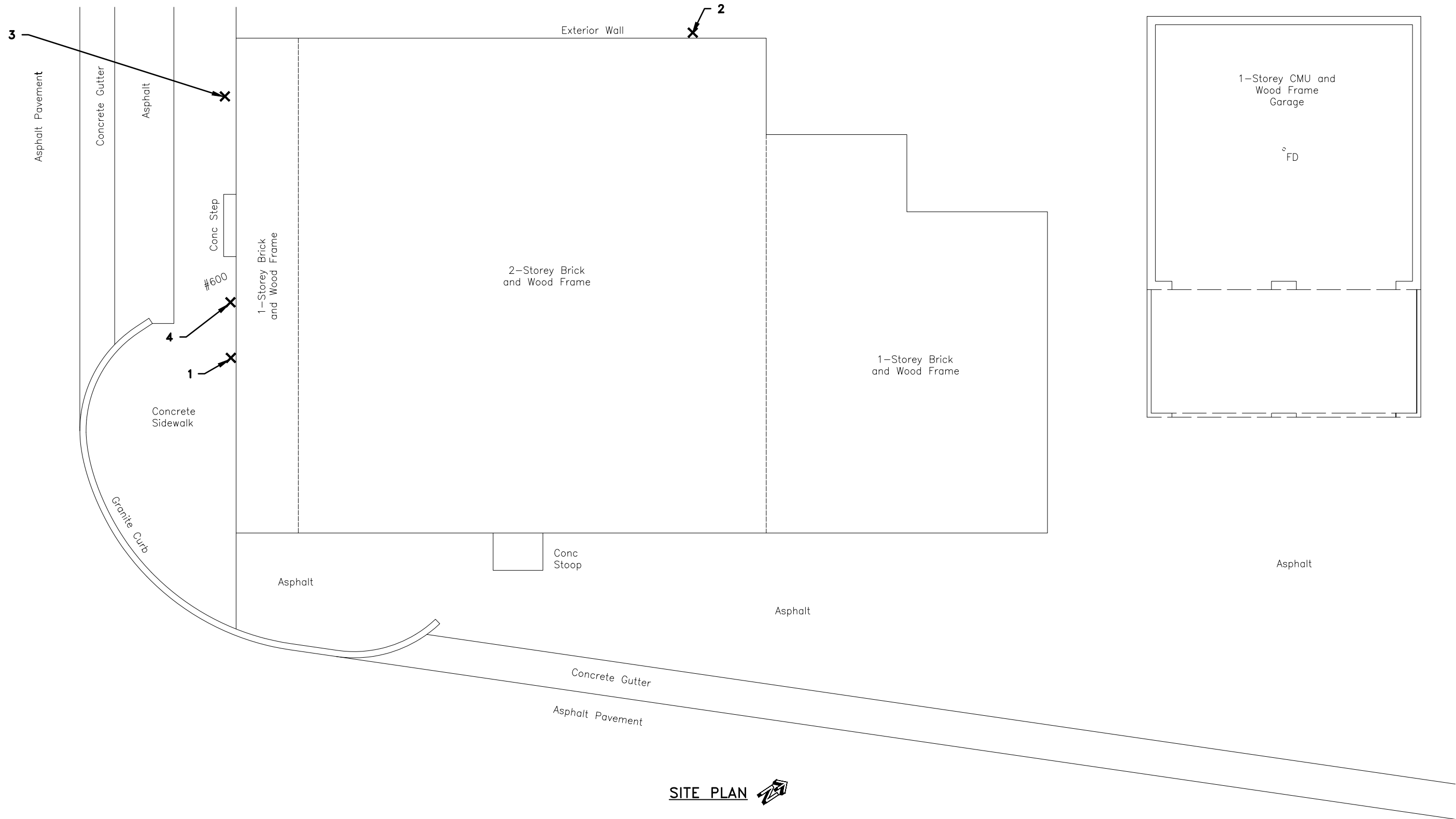
	600 RIDGE ROAD WEBSTER, NEW YORK PCB Concentration (mg/kg or ppm)									Material & Sample Location
	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	
PCB -01	ND	ND	ND	ND	ND	ND	ND	ND	ND	White window caulk on south side
PCB-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	White window caulk on west side
PCB-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	Tan window caulk on south side
PCB-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	Black window caulk on south side

The laboratory results indicate that the materials sampled do not contain PCBs.

Watts only tested caulks/sealants for PCB content. Our scope did not include testing of paint, varnishes, lacquers, non-conducting materials in electrical cables (e.g., plastic and rubber), rubber and felt gaskets, coal-tar enamel coatings (e.g., pipe coating) and rust inhibitor coatings, insulation materials (e.g., fiberglass, felt, foam, and cork), adhesives and tapes caulk, grout, and joint material (e.g., putty, silicon, and bitumen), pipe hangers, plastic applications (e.g., vinyl and PVC) galbestos siding, mastics, acoustic ceiling tiles, floor tiles, asphalt roofing, tar paper, synthetic resins, floor varnish or sprayed-on fireproofing for waste characterization.

4.1 – PCB SAMPLE LOCATION DRAWINGS

R:\2022\20220213 600 Ridge Road\18. CADD\Env\20220213_SL.dwg Nov 30, 2022, 1:50pm



ALL SAMPLES ARE PREFIXED BY **20220213-PCB-**
SAMPLES WERE COLLECTED ON OCTOBER 27, 2022.

✕ INDICATES APPROXIMATE SAMPLE LOCATION

✕ SAMPLE NUMBERS IN RED WERE IDENTIFIED TO PCB CONTAINING.



PCB CAULK/SEALANT SAMPLE LOCATIONS

SITE PLAN

SURVEY AT 600 RIDGE ROAD

NOT TO SCALE

NOVEMBER 2022

4.2 – PCB LABORATORY REPORT AND CHAIN-OF-CUSTODY FORMS



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Watts Architecture & Engineering (4637)
Address: 95 Perry Street Suite 300
Buffalo, NY 14203

Order #: 493832

Matrix Bulk
Received 10/31/22
Reported 11/02/22

Attn:

Project: 600 Ridge Road Study
Location: Former Furniture Store
Number: 20220213

PO Number: 7628

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					
493832-001	PCB-01	Wht Wind Caulk Southside					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<458	458	µg/kg	10/31/22	RDA
Aroclor - 1221		SW846 8082A	<458	458	µg/kg	10/31/22	RDA
Aroclor - 1232		SW846 8082A	<458	458	µg/kg	10/31/22	RDA
Aroclor - 1242		SW846 8082A	<458	458	µg/kg	10/31/22	RDA
Aroclor - 1248		SW846 8082A	<458	458	µg/kg	10/31/22	RDA
Aroclor - 1254		SW846 8082A	<458	458	µg/kg	10/31/22	RDA
Aroclor - 1260		SW846 8082A	<458	458	µg/kg	10/31/22	RDA
Aroclor - 1262		SW846 8082A	<458	458	µg/kg	10/31/22	RDA
Aroclor - 1268		SW846 8082A	<458	458	µg/kg	10/31/22	RDA
493832-002	PCB-02	Wht Wind Caulk Westside					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<469	469	µg/kg	10/31/22	RDA
Aroclor - 1221		SW846 8082A	<469	469	µg/kg	10/31/22	RDA
Aroclor - 1232		SW846 8082A	<469	469	µg/kg	10/31/22	RDA
Aroclor - 1242		SW846 8082A	<469	469	µg/kg	10/31/22	RDA
Aroclor - 1248		SW846 8082A	<469	469	µg/kg	10/31/22	RDA
Aroclor - 1254		SW846 8082A	<469	469	µg/kg	10/31/22	RDA
Aroclor - 1260		SW846 8082A	<469	469	µg/kg	10/31/22	RDA
Aroclor - 1262		SW846 8082A	<469	469	µg/kg	10/31/22	RDA
Aroclor - 1268		SW846 8082A	<469	469	µg/kg	10/31/22	RDA
493832-003	PCB-03	Tan Wind Caulk Southside					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<518	517	µg/kg	10/31/22	RDA
Aroclor - 1221		SW846 8082A	<518	517	µg/kg	10/31/22	RDA
Aroclor - 1232		SW846 8082A	<518	517	µg/kg	10/31/22	RDA
Aroclor - 1242		SW846 8082A	<518	517	µg/kg	10/31/22	RDA
Aroclor - 1248		SW846 8082A	<518	517	µg/kg	10/31/22	RDA
Aroclor - 1254		SW846 8082A	<518	517	µg/kg	10/31/22	RDA

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Watts Architecture & Engineering (4637)
Address: 95 Perry Street Suite 300
Buffalo, NY 14203

Order #: 493832

Matrix Bulk
Received 10/31/22
Reported 11/02/22

Attn:

Project: 600 Ridge Road Study
Location: Former Furniture Store
Number: 20220213

PO Number: 7628

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					
493832-003	PCB-03	Tan Wind Caulk Southside					
Aroclor - 1260		SW846 8082A	<518	517	µg/kg	10/31/22	RDA
Aroclor - 1262		SW846 8082A	<518	517	µg/kg	10/31/22	RDA
Aroclor - 1268		SW846 8082A	<518	517	µg/kg	10/31/22	RDA
493832-004	PCB-04	Blk Wind Caulk Southside					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<4880	4880	µg/kg	10/31/22	RDA
Aroclor - 1221		SW846 8082A	<4880	4880	µg/kg	10/31/22	RDA
Aroclor - 1232		SW846 8082A	<4880	4880	µg/kg	10/31/22	RDA
Aroclor - 1242		SW846 8082A	<4880	4880	µg/kg	10/31/22	RDA
Aroclor - 1248		SW846 8082A	<4880	4880	µg/kg	10/31/22	RDA
Aroclor - 1254		SW846 8082A	<4880	4880	µg/kg	10/31/22	RDA
Aroclor - 1260		SW846 8082A	<4880	4880	µg/kg	10/31/22	RDA
Aroclor - 1262		SW846 8082A	<4880	4880	µg/kg	10/31/22	RDA
Aroclor - 1268		SW846 8082A	<4880	4880	µg/kg	10/31/22	RDA

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Watts Architecture & Engineering (4637)
Address: 95 Perry Street Suite 300
Buffalo, NY 14203

Order #: 493832

Matrix Bulk
Received 10/31/22
Reported 11/02/22

Attn:

Project: 600 Ridge Road Study
Location: Former Furniture Store
Number: 20220213

PO Number: 7628

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					

493832-11/02/22 04:30 PM

Kelly Muncy

Reviewed By: **Kelly Muncy**
Manager

Surrogate Recoveries

493832-001 - PCB

DCB MI
TCMX MI

493832-002 - PCB

DCB MI
TCMX 63%

493832-003 - PCB

DCB 121%
TCMX 71%

493832-004 - PCB

DCB D
TCMX D

State Certifications

Method	Parameter	New York	Virginia
SW846 8082A	Aroclor - 1016	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1221	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1232	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1242	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1248	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1254	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1260	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1262	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1268	ELAP Certified	VELAP Certified

State	Certificate Number
New York	ELAP 63558
Virginia	VELAP 12088

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.

**SCHNEIDER LABORATORIES GLOBAL, INC.**

2512 West Cary Street, Richmond, Virginia 23220-5117

804-353-6778 • 800-785-LAB5 (5227) • Fax 804-359-1475

www.slabinc.com • info@slabinc.com

493832

O 4

V: 4931493832

kfinnmore
UPS

10/31/2022 10:05:32 AM

1Z2E28998468765223

Submitting Co.	Watts Architecture & Engineering	State of Collection		Cert. Required	<input type="checkbox"/> YES
510 Clinton Square, Suite 510		Acct #	4637	Phone	585-297-0749
Rochester, NY 14604		Email	tknapp@watts-ae.com; gbijak@watts-ae.com		
Project Name	600 Ridge Road Study	PO #			
Project Location	Former Furniture Store, 600 Ridge Rd, Webster NY	Special Instructions			
Project Number	20220213				
Collected By	Ted Knapp				

Turn Around Time **	Matrix	Test selection for all Samples listed below (Circle desired method)		Individual Sample Requests					
<input type="checkbox"/> Same day * <input type="checkbox"/> 1 business day <input type="checkbox"/> 2 business days <input type="checkbox"/> 3 business days <input checked="" type="checkbox"/> 5 business days * not available for all tests	<input type="checkbox"/> Paint <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Soil <input type="checkbox"/> Wipe <input type="checkbox"/> Ground Water <input type="checkbox"/> Waste Water	<input type="checkbox"/> VOC (8260/624) <input type="checkbox"/> Pesticides (8081/608) <input type="checkbox"/> Chlordane (8081/608) <input type="checkbox"/> PCB (8082) <input type="checkbox"/> BTEX (8260/8021)	<input type="checkbox"/> 5VOC (8270/625) <input type="checkbox"/> Herbicides (8151) <input type="checkbox"/> Toxaphene (8081/608) <input type="checkbox"/> TPH-DRO (8015) <input type="checkbox"/> TPH-GRO (8015) <input type="checkbox"/> MTBE (8260/8021) <input type="checkbox"/> Naphthalene (8260/8270)	Please analyze for PCB's					
		TCLP	Miscellaneous						
		<input type="checkbox"/> Volatiles <input type="checkbox"/> Semi-Volatiles <input type="checkbox"/> Herbicides <input type="checkbox"/> Pesticides <input type="checkbox"/> Full TCLP (10 Day)	<input type="checkbox"/> Chlorides (300/9056) <input type="checkbox"/> Sulfates (300/9056) <input type="checkbox"/> Oil and Grease (1664) <input type="checkbox"/> Silica (7602) <input type="checkbox"/> PAH (8270/625) <input type="checkbox"/> TPH (EPA 418.1)						
** A job received past 3 PM will begin its TAT the next business day									
Please schedule rush tests in advance									
Sample #	Date Sampled	Time Sampled	# of Containers	Sample Identification	Wipe Area				
PCB-01	10/27/22	1300	1	White window caulk, southside	X				
PCB-02	10/27/22	1311	1	White window caulk, westside	X				
PCB-03	10/27/22	1326	1	Tan window caulk, southside	X				
PCB-04	10/27/22	1338	1	Black window caulk, southside	X				

For Aqueous and Solid samples ensure enough sample is sent for duplicate and spike analyses

Relinquished By:

Signature:

Date/Time

! ALL SHADED FIELDS MUST BE FILLED TO AVOID DELAYS !

5.0 – LABORATORY ACCREDITATIONS

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2023
Issued April 01, 2022

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. THOMAS R. MCKEE
AMERISCI RICHMOND
13635 GENITO RD
MIDLOTHIAN, VA 23112

NY Lab Id No: 10984

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Material	Item 198.8 of Manual

Department
of Health

Serial No.: 64551

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AmeriSci Richmond
dba AmeriSci Richmond
13635 Genito Road
Midlothian, VA 23112
Mr. Thomas B. Keith
Phone: 804-763-1200 Fax: 804-763-1800
Email: bkeith@amerisci.com
<http://www.amerisci.com>

ASBESTOS FIBER ANALYSIS

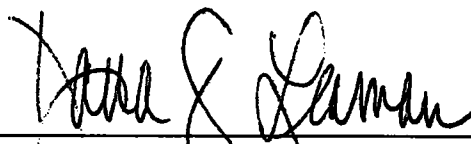
NVLAP LAB CODE 101904-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



For the National Voluntary Laboratory Accreditation Program

6.0 – CONSULTANT’S LICENSE AND CERTIFICATION



New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Watts Architecture & Engineering, D.P.C.
Suite 300
95 Perry Street
Buffalo, NY 14203

FILE NUMBER: 12-68007
LICENSE NUMBER: 68007
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 09/01/2022
EXPIRATION DATE: 09/30/2023

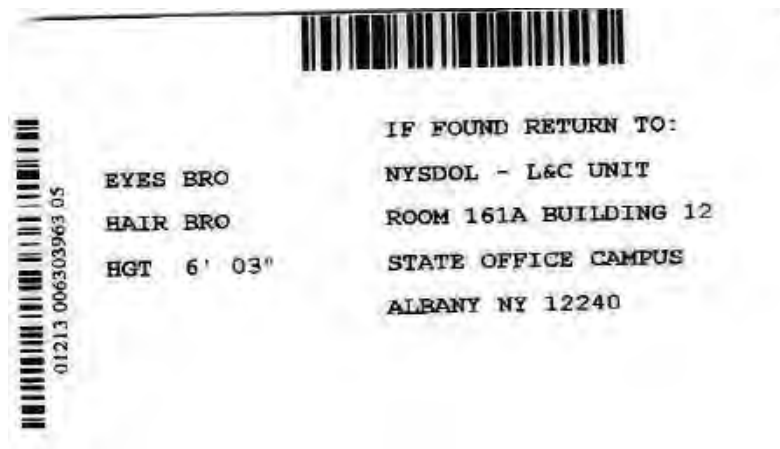
Duly Authorized Representative – Kevin Janik:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

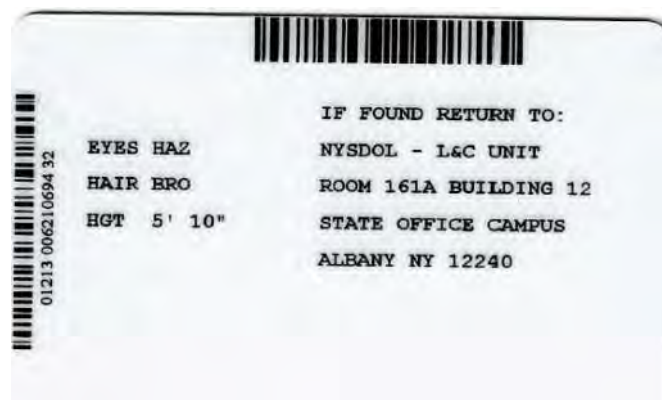
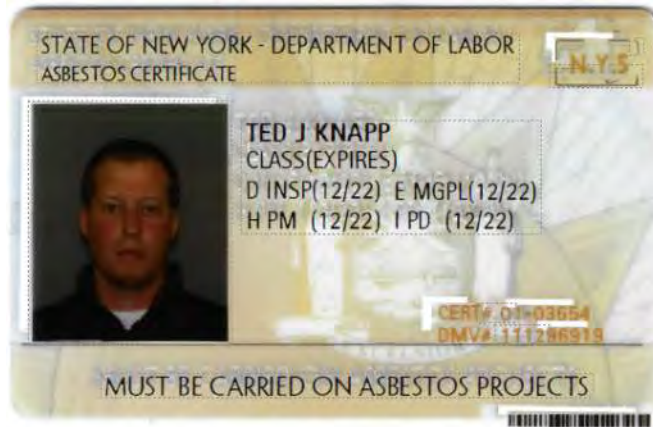
Amy Phillips, Director
For the Commissioner of Labor

SH 432 (8/12)



Geoffrey R. Bijak

C – Air Sampling Technician
D – Inspector
E – Management Planner
H – Project Monitor
I – Project Designer



Theodore Knapp

D – Inspector
E – Management Planner
H – Project Monitor
I – Project Designer



United States Environmental Protection Agency

This is to certify that

Watts Architecture & Engineering

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires May 21, 2024

LBP-1952-2
Certification #
March 17, 2021
Issued On



Michelle Price, Chief
Lead, Heavy Metals, and Inorganics Branch



United States Environmental Protection Agency

This is to certify that



Theadore J Knapp

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Inspector

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires March 02, 2025

LBP-I-1225640-1

Certification #

February 16, 2022

Issued On



Ben Conetta, Chief

Chemicals and Multimedia Programs Branch



United States Environmental Protection Agency

This is to certify that



Geoffrey Bijak

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Risk Assessor

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires April 28, 2023

LBP-R-16527-2

Certification #

April 22, 2020

Issued On



Susan Schulz, Acting Chief

Chemicals and Multimedia Programs Branch

APPENDIX B:
PREVIOUS REPORTS/DOCUMENTATIONS

NYSDEC SPILL REPORT FORM

DEC REGION: Ä SPILL NUMBER: ÄÄÄ !"#
 SPILL NAME: *)+,-)%./0%1'-0%).,-%\$ DEC LEAD: \$%&'(()%

CALLER NAME: %2(\$3.4'15 NOTIFIER'S NAME: 2161>&60,
 CLR'S AGENCY: (2*).1/6%7)&)1- NOTIFIER'S AGENCY:
 CALLER'S PHONE: 89: ;,<:=< :... NOTIFIER'S PHONE: ..

SPILL DATE: ÄÄDEÄD9#ÄÄ SPILL TIME: .ÄF Ä.GH DISPATCHER:
 CALL RECEIVED DATE: ÄÄDEÄD9#ÄÄ RECEIVED TIME: .ÄF Ä.GH

SPILL LOCATION

PLACE: *)+,-)%./0%1'-0%).,-%\$ COUNTY: &@AB@C
 STREET: :ÄÄ.%'5).%62? TOWN/CITY: *CIJKCB
 CONTACT: COMMUNITY: *)+,-)%
 CONTACT PHONE: ..

CONT. FACTOR: ?CNLICBGKC SPILL REPORTED BY: 7LKLMA
 FACILITY TYPE: 7@HHCBOLGND'APQJKBLGN WATERBODY:

CALLER REMARKS:

2 161>&60,.16-'/)%.)\$6%-)?6*1)%6./0%1'-0%).,-%\$15.\$(27).?
 %62?R../'%,-.%\$6%-)?6.(2*).1/6%7)&)1-R..-'&./173S.6*1)%S.76
 0&\$'15.0.)?73)&'72(,.'1.
 1-27-R

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
QATA@UA.VCKB@NCQH	\$CKB@NCQH	ÄRÄÄ.5	ÄRÄÄ.5	,@LNS.
JKBLVVLAX.HGKCB LGN	6KWCB	ÄRÄÄ.	ÄRÄÄ.	,@LNS.

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
)+,-)%./0%1'-0%).,-%\$:ÄÄ.%'5).%62?...)+,-)%..1>..9 "ÄÄ	8E9";. ÄE= #E<

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
----------	-----------	----------	-------	--------	-------------	-----------	---------------

DEC REMARKS:

ÄÄDEÄDÄÄF.\$&.'1Y),-52-)?.,-R..1,\$)7-)?2%601?.,36\$.21?760(
 761-2&'12-61.6%.,\$'((25)R..%)\$6%-.&2>.32Y).+))1./%6&.)Z=?',5%0
 /'173.86*1)%.;21?.[//.&274)1\'.8&2125)%.;2'?.-3)>.'\$,6.).6/
 ?0&\$,-)%R.*2,-).761,,-.6/.66?73'\$,21?.,(0?5)/%6&.,-)%\$1
 <D< DÄ:.\$2\$)%./().%&6Y)?.\$)%./().%)-1-61.\$6('7>R

PIN T & A COST CENTER

NYSDEC SPILL REPORT FORM

DEC REGION:	Ä	SPILL NUMBER:	ÄÄÄ !" #
SPILL NAME:	*)+,-)%./0%1'-0%).,-% '\$	DEC LEAD:	\$%&'(()%

CLASS:	7E	CLOSE DATE:	ÄÄDEÄD9#ÄÄ	MEETS STANDARDS:	-BQC
--------	----	-------------	------------	------------------	------

September 29, 1991

Kevin Crouch, Fire Chief
West Webster Fire Department
Gravel Road
West Webster, New York 14580

Dear Mr. Crouch,


The New York State DEC is currently investigating 'Webster Furniture Strippers' for any possible code violations.

I am their next door neighbor at 1021 Gravel Road and am concerned about the toxic chemical discharges to our environment.

All relevant information concerning their business practices is important in showing cause for this investigation.

It would be helpful if you can give me the date of the fire that occurred in their garage stripping building sometime, I believe, in the early 80's and any other incidents which I am not presently aware of which could be relevant to this study.

Thankyou.


Dorothy Kerson
1021 Gravel Road
W. Webster, N.Y. 14580

cc: Dan Walsh, DEC
A. Siracusa, Town of Webster

September 29, 1991

Mr. Dan Walsh
New York State Dept. of Environmental Conservation
6274 East Avon-Lima Road
Lima, New York 14414

RE: Webster Furniture Strippers
600 Ridge Road
Webster, New York 14580

Dear Mr. Walsh,

As per our 9/26/91 phone conversation, I am submitting a narrative of my personal experiences and observations concerning Webster Furniture Strippers:

Shortly after their set up of business in the early 80's, a bucket of chemical waste was dumped out the front of their building flowing down over plant life. My immediate outrage was met with apologies from the owner, stating that this was an inexperienced worker who did not know this was unacceptable and it would not happen again.

For several years, other than the noise of the business, things went O.K. as the owner and staff were cordial and I set about planting vines and shrubbery on the slope between our properties to help camouflage the view of a cinder-block garage wall and to improve the landscape.

There was a fire in the stripping area of their facility early in the 80's, for which I have requested information from West Webster Fire Dept. as per enclosed copy.

Sometime during '85 noxious odors became apparent and subsequently I started having allergic reactions - mild at first, such as, headache, itchy eyes and skin, but progressing to severe flu-like symptoms necessitating medications and bed rest. My discussions with the owner about this was met with what seemed at the time genuine concern and his intent to rectify the situation.

I took him at his word believing that problems can best be handled by mutual cooperation and dialogue. When they requested a variance from the Town of Webster to extend the front of their garage building to accomodate the need for more storage space for furniture to be stripped, I did not object.

From then to the present time the situation has gone from bad to worse. Overwhelming fumes requiring closing up our house and putting on the central air-conditioning when weather permitted, other times taking trips to Pennsylvania to stay with family for a respite. Complaints to the owner were now met with indifference, evasion and at one point laughter. My physical symptoms in the last two years have increased substantially. The forthcoming report and recommendations from Finger Lakes Regional Health Care Center will document all of this in the occupational-toxicology evaluation I had done regarding the progression of physical manifestations I have experienced.

There has also been a high incidence of cancer deaths in my dogs - 4 in all - 1 in '83, 1 in '90 and 2 in '91. The dogs spend considerably more time outdoors than do I or my family. Webster Furniture Strippers garage vent exhaust faces our back yard and kennel area on the other side of our garage. Of my three surviving dogs, 2 are being treated for skin inflammations and allergic conditions. They are now brought into the house as much as possible.

A little 3-year old girl lives with her parents in the apartment above this facility. I am most fond of this child and have concerns about her exposure to this toxic situation at an early age as I am for all people in the area being exposed to this toxicity perhaps unaware of this very real threat to their health.

. During the past month I have taken photographs of burned foliage at the front and rear of this facility which show clearly the proximity of their venting to the foliage.

The amount of time outdoors that I can enjoy with my love of gardening and interaction with my dogs on my own turf is severely limited. It has been difficult to pursue resolution of this situation when my health has been compromised, but I will continue to do so and I am confident that agencies such as yours will effect the changes necessary for an environment in which people, plants and animals have a 'Fair Shot'!

Sincerely,

A handwritten signature in cursive script that reads "Dorothy Kerson".

Dorothy Kerson
1021 Gravel Road
Webster, New York 14580

cc: A. Siracusa, Town of Webster

October 23, 1991

Mr. John Gorman, Chief N.Y. Compliance Section
U.S. Environmental Protection Agency
26 Federal Plaza Room 1105
New York, N.Y. 10278

RE: Webster Furniture Strippers
600 Ridge Road
Webster, N.Y. 14580
EPA Identification # NYD031358708

Dear Mr. Gorman,

My home is a mere 20 feet from the above mentioned facility. receiving the bulk of all their toxic fumes which emanate from two adjacent window and wall vents.

Working through the bureaucratic system to date has been non-productive. I remain committed to seeing corrective action taken to restore the environment in Webster.

If you are the individual with the power to enforce compliance as stated in a letter to you on 7/23/91 from Janakrai M. Desai, Chief, Compliance Inspection Section DEC, kindly take whatever action is necessary for resolution of this situation or have the properly empowered individual do so.

To date only the hazardous waste inspection has been done and that did not address the possibility of ground water or soil contamination nor the apparent inequity between the amount of solvents used for the past eight years and only one hazardous waste pick-up by Environmental Products and Services according to the hazardous waste manifest in the generator's file.

The critical air quality inspection that I've been told for months would be done right away and to date has not been done, will I'm sure show lack of air quality determined by hi-tech equipment.

The results of this toxicity I have documented in pictures of burned foliage and the toxicology evaluation I had done at Finger Lakes Regional Occupational Health Center at the UofR clearly outlines from their medical staff the seriousness of this situation along with their recommendations.

Today I am writing to the Attorney General to look into this matter and am copying this letter to all appropriate individuals and agencies.

Yours truly,

Dorothy Kerson
Dorothy Kerson
1021 Gravel Road
Webster, New York 14580

encl.

cc; EPA-Air & Waste Mgmt. Div. NYC
Peter Bush, DEC
Head of Monroe County Board of Health
Richard Bradley, Area Director OSHA
Anthony Siracusa, Town of Webster
Robert Abrams, Attorney General
Bill Polito, Monroe County Legislator
Gannett Rochester Newspapers

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II

DATE: DEC 02 1991

SUBJECT: Inspection Report - Webster Furniture Stripping Company (WFSC)
Webster, New York

FROM: Yue On Chiu, Environmental Engineer
New York Section, 2AWM-AC

y. Chiu FEB 12 1992

TO: Karl Mangels, Chief
New York Section, 2AWM-AC

NYS DEPT. OF ENVIRONMENTAL
CONSERVATION - REGION 2
(KODAK PROJECTS)

Address: 600 Ridge Road DEC Facility ID#: 2654000973
Webster, New York NYSDEC Office: 8
(716) 671-5170 Class Code: B or smaller

Date of Inspection: November 26, 1991

Purpose: To investigate complaint (10/23/91) regarding emissions of methylene chloride from this facility.

Attendees:

NAME	AFFILIATION	PHONE #
Yue On Chiu	USEPA 2AWM-AC	FTS 264-6711
Betsy Donovan	USEPA 2AWM-HWC	FTS 264-0216
Chuck Wylie	Dec Region 8	(716) 226-2466
Doug Finch	WFSC	(716) 671-5170

ABSTRACT:

Inspection Results/Recommendations:

1) Chuck Wylie told me that WFSC has submitted permit applications for its spray painting and furniture stripping operations; however, he cannot locate them or WFSC's previous (1984-1989) permits. Therefore, we cannot cite WFSC for a permit violation. I forgot to ask Doug Finch (owner of WFSC) for copies of his 1984-1989 permits. I will call him to get copies and to see if he has been in compliance with those permits.

2) While we were at WFSC, no spray painting or furniture stripping were conducted. We were told by Mr. Finch that the furniture stripping solvents (86% methylene chloride) are allowed to completely evaporate into the open air through two doors and one vent on the side of the building (approximately 7 feet off the ground). Emissions from the paint spray booth, located in the adjacent building, are also allowed to exhaust through a vent on the side of that building (also approximately 7 feet from the ground). No controls were installed for both operations.

3) We told Mr. Finch that our calculations have indicated that his facility has exceeded the ambient impact concentrations that are established by DEC Air-Guide 1:

therefore, he has the option of either installing controls or constructing a tall stack to reduce the ambient impact. This should be accomplished through the DEC permitting process (which WFSC is already involved in). DEC will set the appropriate degree of control to reduce the impact to acceptable levels.

Source Background:

WFSC is a small two-building operation that strips paints off wooden furniture and refinish them. The paint stripping is performed in a small shack-like building that consists of a 3'x6' dip tank, a 3'x6' sink, and a 3'x6' bleach tank (dimensions are approximations). The dip tank and the sink use an 89% methylene chloride solvent ("Kwick Kleen" solvent). Furniture are soaked in the dip tank to loosen the paints, and then they are sprayed, on the sink, with solvent to remove the paint. Approximately 5 gallons of solvent are sprayed onto furniture at the sink and the unevaporated solvent are reused when possible. By recycling, both the dip tank and the sink use approximately 3 to 4 55-gallon drums of solvent per months in the recent two years (they used 8 drums/month prior to the last two years). The bleach tank uses approximately 40-50 pounds of non-volatile oxalic acid (diluted with water) for bleaching wood furniture after their paints were stripped. We were told that chemical supplier said the oxalic acid was "EPA-safe" for dumping into the sewer.

The stripped furniture are refinished in the spray booth located in the adjacent building. WFSC uses approximately 4 to 5 gallons of lacquer per week for refinishing. Furniture are also sanded in a sanding room in this building.

NARRATIVE:

At approximately 10:00 am on November 26, 1991, Betsy Donovan, Chuck Wylie, and I arrived at WFSC. We first walked to the back of the facility and noted the low exhaust vent on the side - no emissions were apparent. We then enter the back door of the adjacent facility (the building with the store-front) and introduced ourselves to Doug Finch, the part owner of the facility. We stated our intention of inspecting the entire facility and asked to see the stripping operation. Mr. Finch lead us to the next building (the building where we noted the exhaust vent) and showed us the stripping operation, which was not operating at the time. He told us that stripping was not done on a regular basis, but rather as required by 'customers' orders. We then asked Mr. Finch questions regarding the solvent usage and general operation of his facility. We told Mr. Finch that his facility has exceeded the allowable ambient concentration for methylene chloride and that situation will have

to be corrected by either installing control equipment (i.e., carbon adsorption) or by raising the emission point (i.e., erecting a tall stack). Chuck then showed Mr. Finch his calculations of ambient impact, and gave Mr. Finch a copy of Air-Guide 1. Chuck also request Mr. Finch to resubmit his permit applications with considerations for the chemicals used and the ambient impacts. Mr. Finch agreed to this request. We were also informed by Mr. Finch that his spray painting operation will be moved to a new location in another part of Webster by March 1, 1992. Chuck told him that a permit would be required for that.

After looking at the stripping operation, I requested to see the spray booth. We moved to the building with the store-front and noted that spray booth emissions would also be exhausted through a low vent on the side of that building. No spray were performed at the time. Across the store from the spray booth is a sanding room which Chuck thought might require a permit. He indicated that to Mr. Finch.

I then asked Mr. Finch's permission and took several pictures of his operations. When I returned to the store-front, I asked Mr. Finch to give me an approximation of the amount of paint used by his store. He said only 4 to 5 gallons are used per week, including some water-base, "hyrocoat", paints that he has been experimenting with. We left the facility at approximately 10:30 am.

Please note that I did not include any information on Betsy Donovan's part of the inspection - I did not take notes on that.

cc: Yue On Chiu, 2AWM-AC
Betsy Donovan, 2AWM-HWC
Chuck Wylie, NYSDEC, Region 8

MONROE COUNTY HEALTH DEPARTMENT
BUREAU OF PUBLIC HEALTH ENGINEERING
111 Westfall Road
Rochester, New York 14692

MEMORANDUM

TO: Richard Elliott
FROM: Edward Yurkstas
DATE: December 17, 1991

RECEIVED

DEC 18 1991

SUBJECT: Webster Furniture Stripping
Impact of facility to Kerson residence
1021 Gravel Road.
Webster -T

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION REGION 3
(KODAK PROJECTS)

As per your request, I visited The Kerson residence on December 12, 1991. Parking in the south driveway, I observed a large kennel complex at the rear of the property and noted a slight solvent-like odor. Ms. Kerson was not at home. The source of the odor appeared to be emanating from an exhaust fan on the north wall (east end) of the main building at Webster Furniture Stripping.

I visited the facility and met with Mr. Doug Finch. He advised me that NYSDEC had recently inspected the facility and had requested an updated inventory of the firm's emissions. The main building contained sanding and coating process exhaust systems. A stripping operation was located in an adjacent garage at the rear of the building. It was inoperable during my inspection but generally functions on Tuesdays and Thursdays. A single exhaust fan with a floor pickup discharges from the rear wall on the west side of the building.

The process consists of a dip tank for softening surface coatings, a wash tank utilizing brushes connected to hoses for recirculating stripping solution, a bleach tank containing oxalic acid solution and a water rinse area discharging to a floor drain. The liquid discharge is approved by the Webster Sewer District. The process utilizes Kwick Kleen paint remover consisting of methylene chloride (DCM), methanol, sodium and potassium hydroxide.

Webster Furniture Stripping
December 17, 1991

A drum storage area is located between the garage and the main building. Sludge is collected, evaporated and then removed by a certified waste hauler. I advised Mr. Finch that solvents and wastes should be stored in an area where spills could be contained to prevent surface and subsurface contamination.

I observed caked particulate on the dampers of the sanding exhaust fan (N wall-E) and noted an odor of DCM. A solvent-like odor was also emanating from the coating exhaust (N wall-W). Wind direction was from the south. An intermittent strong odor of fryer grease was also detected from the Chinese restaurant located across the street.

Mr. Finch and I discussed the process exhausts, building downdrafts and turbulence along with the existing height of process exhausts causing poor fume dispersion. He agreed that increasing the height of the exhaust vents would minimize the impact of process odor on the neighborhood. He also informed me that the firm had plans on moving the coating operation to another building. The stripping operation will remain at its present site because the firm does not believe that it could obtain approval from the Town for its relocation.

Mr. Finch will be discussing the requirement for an inventory update and improvements in process venting with his consultant.

I spoke with Chuck Wylie DEC-R8 who visited the facility with USEPA staff. Calculations by DEC indicated that the stripping process emissions exceeded the AIR-I Guideline Concentrations. The facility owner was advised that an increase in stack height is needed to provide for adequate dispersion. DEC was informed that solvent usage had decreased by one-half since the original inventory was submitted.

I also contacted Dave Napier at NYSDOH to discuss the possibility of indoor air monitoring at the Kerson residence. Scheduling for monitoring will be difficult because of the variable nature of the emissions due to process operations and wind direction. Dave will contact Charlie Hudson in Albany and have him call me to discuss the situation.

c: M. Koral
W. Jones
D. Walsh DEC-R8
C. Wylie DEC-R8
D. Napier NYSDOH



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II

JACOB K. JAVITS FEDERAL BUILDING

NEW YORK, NEW YORK 10278

JUL 8 1992

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

RECEIVED

JUL 2 1992
NYS DEPT. OF ENVIRONMENTAL
CONSERVATION - REGION 8
(KODAK PROJECTS)

Mr. Doug Finch
Owner
Webster Furniture Stripping Company
600 Ridge Road
Webster, New York 14580

Re: Webster Furniture Stripping Company
Section 114 Letter Ref. No. 114 P92-50

Dear Mr. Finch:

Pursuant to Section 109 of Title I of the Clean Air Act, 42 U.S.C. §7401 et seq. (the Act), the Administrator of the United States Environmental Protection Agency (EPA) set National Ambient Air Quality Standards (NAAQS) for six pollutants (sulfur oxides, particulate matter less than 10 microns in diameter, nitrogen oxides, carbon monoxide, ozone and lead) determined to have an adverse effect on the public health and welfare. Pursuant to Section 110 of the Act, state implementation plans (SIPs) were developed by the states containing regulations designed to reduce emissions of the pollutants to the degree necessary to ensure attainment and maintenance of the NAAQS. SIPs are submitted to EPA for approval, subject to the conditions of Section 110(a)(2) of the Act, and once approved, the regulations contained therein become federally enforceable.

Section 114 of the Act authorizes the EPA Administrator (or his duly authorized delegate) to require the submittal of certain information by emission sources to enable EPA to determine the compliance status of emission sources with an applicable SIP. Webster Furniture Stripping Company, located at 600 Ridge Road in Webster, New York, is a source of air pollutant emissions subject to the regulatory requirements of the New York Code of Rules and Regulations (6NYCRR) Part 201. These regulations stipulate, in part, requirements for facilities to obtain permits and/or certificates for the operation of air pollution sources. As the Owner of Webster Furniture Stripping Company, you are hereby required pursuant to the authority of Section 114 of the Act and subject to the sanctions set out in Section 113 of the Act (Attachment I), to submit the information called for in Attachment II.

Your response, in order to be complete, must be signed by you or another officer of the referenced company acknowledging that the signatory has read this letter. Failure to respond in full to this requirement is a violation of 42 U.S.C. §7414 and may result in a finding of violation and an order to comply, an order for administrative penalties or a civil action for penalties and injunctive relief pursuant to 42 U.S.C. §7413(a)(3). Pursuant to 42 U.S.C. §7413(c)(2), any person who knowingly makes any false statement, representation, certification, or omits material information from or knowingly alters, conceals, or fails to file a response to this requirement is subject to criminal penalties.

A request for an extension of time to respond must be in writing and must include the reasons for the delay in responding and the date by which the response will be submitted to EPA. An extension of time will only be effective if granted by EPA in writing.

This is to inform you that you may, if you so desire, assert a business confidentiality claim covering all or part of the information being requested. The claim may be asserted by placing on (or attaching to) the information, at the time it is submitted to EPA, a cover sheet, stamped or typed legend or other suitable form of notice employing language such as "trade secret," "proprietary," or "company confidential." Allegedly confidential portions of otherwise non-confidential documents should be clearly identified by the business and may be submitted separately to facilitate identification and handling by EPA. If you desire confidential treatment only until a certain date or until the occurrence of a certain event, the notice should so state. Information covered by such claim will be disclosed by EPA only to the extent, and by such means of the procedures, set forth in Subpart B, Part 2, Chapter I of Title 40 of the Code of Federal Regulations (40 C.F.R. §2.201 et seq.). If no such claim accompanies the information when it is received by EPA, it may be made available to the public by EPA without further notice to you.

This information requested must be submitted in duplicate within forty-five (45) calendar days after the receipt of this letter to:

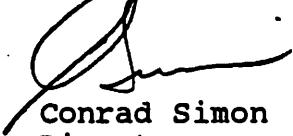
Ms. Donna M. Giannotti
Air and Environmental Applications Section
Permits Administration Branch
U.S. Environmental Protection Agency
Region II Office
26 Federal Plaza - Room 505
New York, New York 10278

Please include the above-cited Reference No. 114 P92-50 in your response(s) to this information request. In addition, any change

in the information must be reported no later than 5 days after such change occurs. This continuing requirement to provide notification of changes in the information covered by this letter will remain in effect until expressly terminated in writing by this office.

You may address any questions concerning this matter to Mr. Yue On Chiu, Environmental Engineer, telephone number (212) 264-6711.

Sincerely yours,



Conrad Simon
Director
Air and Waste Management Division

Attachments

cc: Mr. John Davis, Chief
New York State Department of
Environmental Conservation

Mr. Carl Ferrrentino, Esq.
Compliance Counsel for Environmental Quality
Division of Environmental Enforcement
New York State Department of Environmental Conservation

Mr. Thomas Marriott
Regional Air Pollution Control Engineer
New York State Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, New York 14414

ATTACHMENT II

INFORMATION REQUEST UNDER THE CLEAN AIR ACT

The EPA is currently examining whether Webster Furniture Stripping Company is in compliance with the requirements set forth in 6 NYCRR Part 201, Permits and Certificates.

Please organize the response in the same format as this information request. A copy of 6 NYCRR Part 201 and 200 are attached for definition and clarification.

PART A

- 1) Do you, your company, or affiliates own or operate a facility that utilizes paints or paint solvents? Provide a brief description of the type and number of processes within your facility that utilizes paints, paint solvents, or other VOCs.

If your response to Question 1 is no, please provide a signed statement to that effect and proceed no further.

If your response to Question 1 is yes, then submit the information as requested in PART B.

PART B

- 2) For each process described in response to Question 1, provide information for the following:
 - A) the normal operating hours for each process;
 - B) the volume of each paint or paint solvent used in each process (provide the information in terms of gallons/hour, gallons/day, or gallons/month);
 - C) the name and composition of solvents (in volume % or grams/gallon of paints or paint solvents) contained in the paints or paint solvents used in each process; and
 - D) the air pollution controls used for each process and their efficiencies in controlling emissions.
- 3) Did you apply for and obtain permits to operate the processes described in response to Question 1? If not, please provide an explanation. If yes, please provide a copy of the permit or application for the permit for each process for the last 10 years.



Thomas C. Jorling
Commissioner

November 12, 1992

Doug Finch
Webster Furniture Stripping
600 Ridge Road
Webster, New York 14580

Dear Mr. Finch:

Thank you for your assistance with my inspection of your facility on 10/14/92. There are a few items that need to be resolved.

There are no currently valid permits on file with this Department for your sources of air emissions. There are three: one in the detached garage for the stripping operation and two in the main building, one for the sanding operation and one for the finishing operation. The Air Division file in this office shows that you had valid permits for the stripping and finishing operations at least as recently as 1984 at your previous location at 2400 Empire Blvd. The finishing permit expired in 1989.

You indicated that you expected to have the design for exhaust system modifications completed soon. I understand the proposed modifications include raising the exhaust points to reduce emissions impacts on your neighbors. As you proceed with the design, permitting and construction of the exhausts there are several things you should be aware of:

- 1) You have been in violation of 6NYCRR Part 201 for operating sources without valid Certificates to Operate air contamination sources (CO's) since at least 1989. If you install or modify sources without first obtaining valid Permit to Construct air contamination sources (PC's), you have additional violations of Part 201. You are currently subject to enforcement action for these violations. You should submit the required application materials as soon as possible to minimize your liability.
- 2) You were notified by Hazardous Substances Regulation staff from this office on at least two occasions (dated 7/18/92 and 11/01/92) of violations of the New York State Hazardous Waste Regulations. All documented violations must be resolved before any pending permit applications can be approved.

- 3) You received a request for information from the United States Environmental Protection Agency dated 7/8/92. As in No. 2 above, you must satisfy this request before any permits can be issued.

By December 14, 1992 please submit the required applications for PC's to this office, or submit a plan that shows when and how you intend to achieve compliance with all applicable DEC regulations.

Please contact me at this office if you need assistance or information.

Sincerely,

Daniel E. Walsh
Environmental Engineer II
Division of Air Resources

pc

c: Y. Chiu, USEPA, Region II
D. Rollins
MCHD

WEBSTER FURNITURE STRIPPERS
bould Ridge Rd
WEBSTER, NY 14580



RECEIVED

DEC 18 1992

NYS DEPT OF ENVIRONMENTAL
CONSERVATION REGION 8
(RODENT PROJECTS)

ATTN: DANIEL WALSH

NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION
6274 EAST AVON-LIMA RD
AVON, NY 14414

DANIEL E. WALSH

ENVIRONMENTAL ENGINEER II

DIVISION OF AIR RESOURCES

DEAR MR. WALSH,

I AM SENDING YOU
THIS LETTER TO INFORM YOU
OF CURRENT STATUS OF
PERMIT APPLICATIONS.

AFTER RECEIVING YOUR
LETTER DATED NOV. 12TH
I HALTED THE INSTALLATION
OF EXHAUST EQUIPMENT.

I DID NOT REALIZE
THAT WE DID NOT HAVE
CURRENT PERMITS TO
OPERATE THAT PARTICULAR
EXHAUST FAN OR THE TWO
EXHAUST FANS IN THE

Main Building.

I called your office on wed 9th Dec., however you were available. I left a message for you that I had called. I again called on Thur. to pick up permit Applications, which I did, that afternoon as I had an appointment with the Engineer Thur evening. That appointment fell thru, as he was call out of town on an emergency call. I had intended to submit all 3 of the Applications by Dec. 14th. The Engineer will be back in town

By Thur. Dec. 17th, Hopefully
I will be able to submit
Applications shortly after
that date. The Engineer
also has the EPA Application
that was sent to me by
Mr. Y. Chiu USEPA Region
II which will be submitted
at the same time, as per
your request in item #
of your letter. I will
contact you again by
Friday 18th to confer on
progress of permits

Sincerely,
Doug Finch
Webster Furniture Store
600 Old Ridge Rd
Webster, N.Y. 14580

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NOTICE OF INCOMPLETE APPLICATION - THIS IS NOT A PERMIT

APPLICANT:

WEBSTER FURNITURE STRIPPING
2400 EMPIRE BLVD
WEBSTER, NY 14580

OWNER ID NUMBER: 14175

APPLICATION ID: 8-2654-00047/00001-0

BATCH NUMBER: 151542

PERMITS APPLIED FOR:

2 ARTICLE 19: PROCESS, EXHAUST, VENTILATION (CONSTRUCT)

FACILITY/PROJECT: WEBSTER FURNITURE STRIPPING

PROJECT IS LOCATED IN WEBSTER IN MONROE COUNTY.

Your Application for Permit is Incomplete, the Following Items are Required:

- Completed application form (enclosed).
- Completed Part I of the Short Environmental Assessment Form (enclosed).
- Project location map (USGS or equivalent) which clearly shows the project location with respect to identifiable roads and other notable features.
Submit 1 copies.

Additional Information:

I AM RETURNING YOUR AIR APPLICATIONS. WE NEED SIGNATURES IN BLOCK NUMBER(S) 18 AND 155 AS APPROPRIATE. IF MR. ROWE IS A P E. WE ALSO NEED HIS LICENSE NUMBER IN BLOCK 16.

THANK YOU.

NO FURTHER ACTION CAN BE TAKEN UNTIL ALL OF THESE MATERIALS ARE RECEIVED

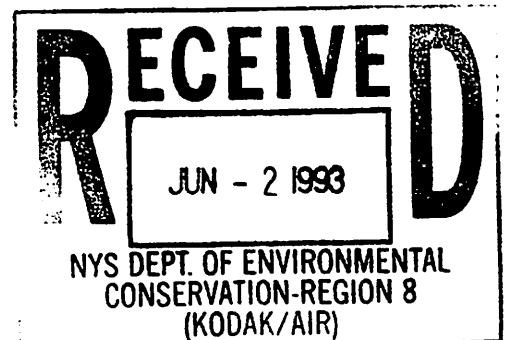
CONTACT PERSON: DAVID L BIMBER
NYS DEPT OF ENVIRONMENTAL CONSERVATION
DIVISION OF REGULATORY AFFAIRS
REGION 8 AVON
6274 EAST AVON-LIMA RD
AVON NEW YORK 14414

SIGNATURE: _____

DATE 02/11/93

TELEPHONE NUMBER 716-226-2466

cc: Jim NORSEN, AIR



FILE COPY

New York State Department of Environmental Conservation
6274 East Avon-Lima Road, Avon, NY 14414



Thomas C. Jorling
Commissioner

June 9, 1993

Doug Finch
Webster Furniture Stripping
600 Ridge Road
Webster, NY 14580

RE: Air Contamination Sources
Webster (T), Monroe (C)

Dear Mr. Finch:

Thank you for your assistance during my inspection of your facility on May 28, 1993. At that time I discovered that you are continuing to operate a furniture stripping exhaust and a furniture finishing exhaust. The sanding operation and the bleaching tank have been abandoned.

You advised me that you had delivered applications for Certificates to Operate the stripping and finishing systems to this office in February, 1993. When I searched for these applications I learned that they were found to be incomplete and returned to you. Enclosed is a copy of the "Notice of Incomplete Application".

In his letter dated November 12, 1993 Daniel Walsh advised you that you must have Certificates for these sources. We feel that you have been given ample time to comply with DEC regulations; therefore, it is expected that you will complete the applications and submit them to this office no later than July 12, 1993. Failure to do so may result in the initiation of appropriate legal action against you. In addition to this action you may still be liable to the Environmental Protection Agency for the Notice of Violation which it issued in December, 1992.

If you need any forms or have questions, please do not hesitate to contact Dan Walsh or me at this office. Thank you for your anticipated cooperation.

Sincerely,

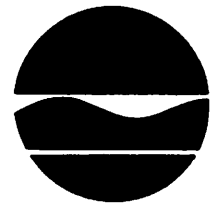
James H. Norsen
Environmental Engineering Technician III

pc
c: D. Rollins
D. Bimber

New York State Department of Environmental Conservation
6274 East Avon-Lima Road, Avon, NY 14414

15 September 1993

Mr. Doug Finch
Webster Furniture Stripping
600 Ridge Road
Webster, New York 14580



Thomas C. Jorling
Commissioner

Dear Mr. Finch:

RE: Notice Of Incomplete Application
DEC 8-2654-00047/00001-0
Permit to Construct EPs 1 & 2
Webster (C), Monroe (C)

The Division of Air Resources and the Division of Regulatory Affairs have had an opportunity to review your applications for the above-noted emission points and we have the following concerns:

1. I am returning your application materials. Box 30 must be completed.
2. The application for EP # 2, was also returned to you with my Notice of Incomplete Application dated 11 February 1993, but it was not returned with EP #1 for review. It also should be resubmitted.
3. The Air Division engineer who reviewed the application for EP #1 was unable to verify the emission data calculations you provided. Please contact Mr. Jim Norsen to resolve this item.
4. The methylene chloride emissions from this source are nine times the permissible limit. Department staff will require control technology for both sources. Please submit a proposal to address appropriate reductions in emissions from your facility no later than October 28, 1993. Failure to comply will result in denial of your applications.

If you have any questions relating to the technical review of these applications, please contact Mr. Jim Norsen, Division of Air Resources. If you have questions regarding the processing or status of the applications, please contact me at (716) 226-2466.

Sincerely,

David L. Bimber
Environmental Analyst 1
Division of Regulatory Affairs

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

RECEIVED

REGION II

DEC 2 1992

In the Matter of:

Webster Furniture Stripping Company
Webster, New York

NYS DEPT OF ENVIRONMENTAL
CONSERVATION REGION 8
(NYS DEPT PROJECTS)
NOTICE OF VIOLATION
Index No. A-92-143

STATUTORY AUTHORITY

THIS NOTICE OF VIOLATION ("NOV") is issued to Webster Furniture Stripping Company ("Respondent") for a violation at its facility located at 600 Ridge Road, Webster, New York, 14580. This NOV is issued pursuant to Section 113(a)(1) of the Clean Air Act, 42 U.S.C. § 7413(a)(1), as amended on November 15, 1990 by P.L. 101-549. Section 113(a)(1) of the Clean Air Act requires the Administrator of the United States Environmental Protection Agency ("EPA") to notify a person in violation of a State Implementation Plan or permit of the violation. The authority to issue Notices of Violation has been delegated by the Administrator to the Division Director, Air and Waste Management Division, EPA Region II.

EPA FINDINGS

1. Part 200 of Title 6, Chapter III of the Code of Rules and Regulations of the State of New York ("NYCRR"), entitled "General Provisions" was approved by EPA as a part of the New York State SIP on March 7, 1989 and is therefore federally enforceable. 40 C.F.R. § 52.1679.

2. Part 201 of Title 6, Chapter III of the NYCRR, entitles "Permits and Certificates" was approved by EPA as a part of the New York State SIP on July 19, 1985 and is also federally enforceable. 40 C.F.R. § 52.1679.

3. 6 NYCRR § 200.1(d) defines the term "air contamination source" to mean "Any apparatus, contrivance or machine capable of causing emission of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system....".

4. 6 NYCRR § 201.2(b) provides that no person may operate an air contamination source without having a valid certificate to operate issued by the Commissioner of the New York State Department of Environmental Conservation ("NYSDEC")

5. On November 26, 1991, duly authorized EPA inspectors conducted an inspection at Respondent's facility. During the inspection, the inspectors found that Respondent owns and operates a furniture stripping operation, in which solvents, including methylene chloride, are used to strip paint and other coatings from furniture. The EPA inspectors were informed during the inspection that the solvents are applied to the furniture in a "dip tank" and are also sprayed on at a sink. In addition, the inspectors were informed that the solvents are allowed to evaporate into the air and are vented to the outdoor atmosphere through doors in the building where the solvents are applied and through a vent that is located in the side of the building.

6. During the inspection of November 26, 1991, the EPA inspectors also found that Respondent repaints furniture in a "spray booth"

that is located in a second building at its facility, and that emissions from the spray booth are vented to the outdoor atmosphere through a vent in the side of this building.

7. The EPA inspectors also observed during the inspection of November 26, 1991 that Respondent did not have any equipment in place to control the emission of air pollutants from its furniture stripping operation.

8. On July 2, 1992, EPA issued a letter to Respondent pursuant to Section 114 of the Clean Air Act, 42 U.S.C. § 7414 (Section 114 Letter Ref. No. 114 P92-50), which requested that Respondent submit to EPA information concerning its paint stripping operations.

9. EPA's Section 114 letter specifically requested Respondent to submit copies of all air pollution permits that it had obtained for its facility.

10. On August 24, 1992, EPA received an answer to its Section 114 letter from Respondent.

11. Respondent's answer to EPA's Section 114 request indicated that Respondent had obtained only a certificate to operate the spray booth from NYSDEC, and that Respondent does not possess a valid certificate to operate the dip tank and related furniture stripping operations in which solvents are applied.

12. Therefore, Respondent has been and remains in violation of 6 NYCRR § 201.2(b) for operating an air contamination source without having a valid operating certificate for the source from the NYSDEC.

ENFORCEMENT

Section 113(a)(1) of the Clean Air Act provides that at any time after the expiration of thirty (30) days following the issuance of this Notice of Violation, the Administrator may, without regard to the period of violation:

- issue an order requiring compliance with the requirements of the New York State Implementation Plan;
- issue an administrative penalty order pursuant to Section 113(d) assessing civil administrative penalties of up to \$25,000 per day of violation; or
- bring a civil action pursuant to Section 113(b) for injunctive relief and/or civil penalties of up to \$25,000 per day for each violation.

Furthermore, for any person who knowingly violates any requirement or prohibition of the State Implementation Plan more than 30 days after the date of the issuance of this Notice, Section 113(c) of the Clean Air Act provides for criminal penalties and/or imprisonment. In addition, under Section 306 of the Clean Air Act, the regulations adopted under the authority of Section 306 which are set forth at 40 C.F.R. Part 15, and under Executive Order 11736, facilities which receive federal contracts, grants or loans must be in full compliance with the Clean Air Act and all regulations adopted pursuant to the Act. Violation of the Clean Air Act may result in the facility which is the subject of this Notice of Violation, or other facilities

owned or operated by the Respondents, being declared ineligible for participation in any federal contract, grant or loan program.

PENALTY ASSESSMENT CRITERIA

Section 113(e)(1) of the Clean Air Act states that if a penalty is to be assessed under Section 113(b) or Section 113(d) of the Act, the Administrator or the Court, in determining the amount of penalty shall take into consideration the size of the business, the economic impact of the penalty on the business, the violator's full compliance history and good faith efforts to comply, the duration of the violation as established by any credible evidence, payment by the violator of penalties previously assessed for the same violation, the economic benefit of noncompliance and the seriousness of the violation.

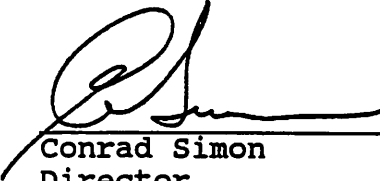
OPPORTUNITY FOR CONFERENCE

Respondent may request to have a conference with the EPA concerning this Notice of Violation. The Respondents will be given an opportunity at the conference to present evidence informally bearing on the finding of the violations cited in this Notice, the nature of the violations, and on any actions they may have taken or propose to take to achieve compliance. The Respondents may be accompanied by legal counsel and/or technical consultants at the conference. A request for a conference must be made within ten (10) days of receipt of this Notice of

Violation. The request for a conference or other inquiries concerning the Notice of Violation should be made in writing to:

Michael E. Arch
Office of Regional Counsel
U.S. Environmental Protection Agency
Region II
26 Federal Plaza, Room 400
New York, New York 10278
(212) 264-9193

Issued: Nov 19, 1992



Conrad Simon
Director
Air and Waste Management Division
U.S. Environmental Protection Agency
Region II
26 Federal Plaza, Room 1000
New York, New York 10278

To: Doug Finch, Owner
Webster Furniture Stripping Company
600 Ridge Road
Webster, New York 14580

cc: John Davis, Director
Bureau of Enforcement and Regional Support
New York State Department of Environmental Conservation

Carl T. Ferrentino, Esquire
Compliance Counsel for Environmental Quality
Division of Environmental Enforcement
New York State Department of Environmental Conservation

Thomas Marriott, P.E.
Regional Air Pollution Control Engineer
New York State Department of Environmental Conservation

New York State Department of Environmental Conservation

Division of Air Resources, Region 8

6274 East Avon-Lima Road, Avon, New York 14414-9519

Phone: (716) 226-2466 • FAX: (716) 226-2909

Website: www.dec.state.ny.us



September 19, 2000

Mr. Doug Finch
Webster Furniture Stripping
600 Ridge Road
Webster, NY 14580

Re: *Notice of Violation*
Solvent Emissions
Webster (T), Monroe (C)

Dear Mr. Finch:

On September 13, 2000, James Norsen of this office inspected your facility in response to recent complaints about odors from solvent emissions at your facility. The recent inspection and a review of our files shows solvent odors have been an ongoing problem since at least 1991 and that you failed to complete required permitting activities in 1993. See the attached letter from David Bimber dated September 15, 1993.

The permitting process revealed that the environmental impact of methylene chloride from your stripping tank was unacceptable and, therefore, unpermittable by this Department. Because of your failure to complete the permitting process in a timely and acceptable manner, you have been, and continue to be, in violation of the New York State air pollution control regulations. In particular, you are in violation of 6NYCRR Part 201 for failure to obtain the required air permits, Part 211 for causing nuisance odor emissions for your neighbors and Part 212 for failure to properly control and/or mitigate methylene chloride emissions.

Please submit the information requested in Mr. Bimber's letter or a schedule containing reasonable deadlines for submission of the information to Mr. Norsen or me at this office by September 29, 2000.

If you have any questions or comments, contact me at this office. My e-mail address is dewalsh@gw.dec.state.ny.us.

Sincerely,

A handwritten signature in cursive script, appearing to read "D. Walsh".

Daniel Walsh
Environmental Engineer II
Division of Air Resources

cc: James Norsen

file copy

New York State Department of Environmental Conservation
Division of Air Resources, Region 8
6274 East Avon-Lima Road, Avon, New York 14414-9519
Phone: (716) 226-2466 • FAX: (716) 226-2909
Website: www.dec.state.ny.us



October 16, 2000

Mr. Doug Finch
Webster Furniture Stripping
600 Ridge Road
Webster, NY 14580

*Re: Notice of Violation
Webster (T), Monroe (C)*

Dear Mr. Finch:

We have not received a schedule of compliance or the other information referred to in Mr. Walsh's letter dated September 19, 2000.

Since you have continued to operate in violation of DEC regulations and have had ample time to comply with these regulations, we have no alternative but to refer this matter to our Legal Division for appropriate action. A referral is being prepared at this time.

If you wish to forestall such action, you must immediately submit the requested information. You may call this office if you have any questions about our requirements. We will be glad to meet with you to explain our regulations and how to comply with their requirements.

If you have any other questions, or would like to discuss this matter, please do not hesitate to contact either Dan Walsh or me at this office.

Sincerely,

A handwritten signature in cursive script that reads "James H. Norsen".

James H. Norsen
Principle Engineering Technician
Division of Air Resources

cc: Thomas Marriott
Daniel Walsh

bcc: Peter Lent

Town of Webster

1000 Ridge Road, Webster, NY 14580-2917 • 716-872-1000 • 716-872-1352 (FAX)

May 8, 2001

Mr. John Hicks
Regional Director of D.E.C. Region #8
NYS D.E.C.
6274 East Avon-Lima Road
Avon, New York 14414

Dear Mr. Hicks:


I have been informed by a Webster resident, Jack Kerson, that he and his wife, for many years, have been negatively impacted by the air quality around their home, due to a neighboring property operating a furniture stripping business. The Kerson's property is located at 1021 Gravel Road, with the "Webster Furniture Strippers" business at 600 Ridge Road (on the corner of Gravel Road).

Were it not for the fumes escaping the building and property where the business is, it wouldn't seem anyone would think much of this commercial business in this area. The air quality issue, however, is quite a concern.

It is my understanding that the business could install improvements that would resolve the problem, but so far the business owners have not complied with this request. Mr. Dan Walsh in your office suggested that the legal action necessary to compel compliance of the business might be expedited with an official communication from the Town making this request. Please consider this letter a formal request for you to pursue that action, as soon as possible, to what I hope is a successful conclusion, in the interest of health and safety.

Thank you for your time and consideration of this matter.

Sincerely,


Cathryn C. Thomas
Town Supervisor

copy: J. Kerson

Cathryn C. Thomas, Webster Town Supervisor
Ronald W. Nesbitt, Deputy Town Supervisor

1000 Ridge Road, Webster, NY 14580-2917 • 716-872-7068 • 716-872-7093 (FAX)

E-mail: supervisor@websterny.org • Web Site: <http://www.ci.webster.ny.us>

Printed on recycled paper.

New York State Department of Environmental Conservation

Division of Legal Affairs, Region 8

6274 East Avon-Lima Road, Avon, New York 14414-9519

Phone: (716) 226-5368 • FAX: (716) 226-9485

Website: www.dec.state.ny.us



Erin M. Crotty
Commissioner

August 6, 2001

Ms. Cathryn C. Thomas
Town Supervisor
Town of Webster
1000 Ridge Road
Webster, NY 14580-2917

Dear Supervisor Thomas:

Re: Webster Furniture Stripping

I have been referred your letter to Regional Director John T. Hicks dated May 8, 2001 for a response. Please be advised that the Department is committed to moving forward to ensure that this facility comply fully with the environmental laws of this state. While I am not at liberty currently to describe the details with regard to our deliberative process, I can assure you that this file is active and appropriate agency action will be taken in the very near future.

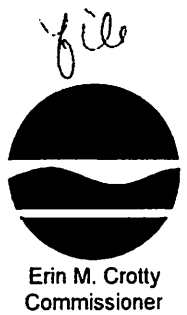
Thank you for your interest in this matter.

Very truly yours,

Paul J. D'Amato
Regional Attorney

PJD:cts

New York State Department of Environmental Conservation
Division of Air Resources, Region 8
6274 East Avon-Lima Road, Avon, New York 14414-9519
Phone: (585) 226-2466 • FAX: (585) 226-2909
Website: www.dec.state.ny.us



June 4, 2002

Via Certified Mail

Mr. Doug Finch
Webster Furniture Stripping
600 Ridge Road
Webster, NY 14580

Re: *Permitting Activity Schedule*
DEC ID 8-2654-00047
Webster (T), Monroe (C)

Dear Mr. Finch:

Thank you for meeting with ECO Doe, Roger McDonough, Jim Norsen and me in Avon on June 3, 2002, concerning permitting requirements for your furniture stripping operation.

As we agreed at that meeting, you will submit a written schedule to me at this office by close of business on June 10, 2002. This schedule will include the dates you will 1) submit a complete, approvable application for an air permit, 2) install an emission control system and/or suitable exhaust stack, and 3) obtain final permit approval for the furniture stripping exhaust.

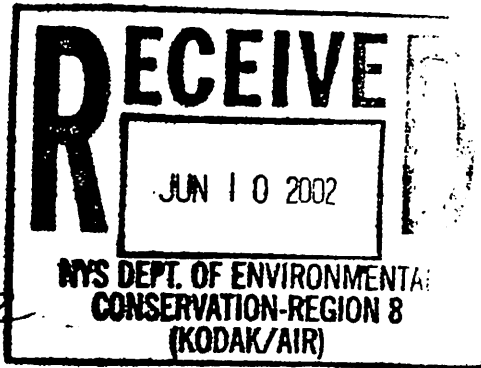
If you have any questions or comments, contact me at this office. My e-mail address is dewalsh@gw.dec.state.ny.us.

Sincerely,



Daniel Walsh, P.E.
Environmental Engineer II
Division of Air Resources

cc: P. D'Amato
 ECO R. Doe
 T. Marriott
 R. McDonough
 J. Norsen



6/10/02

Doug Finch
Webster Furniture Strippers
600 Ridge Rd
Webster, NY
585-671-5170 14580

DANIEL WALSH, P.E.
Environmental Engineer II
Division of Air Resources

DEAR DANIEL WALSH,
I HAVE CONTACTED VIRGINIA REST AT
N.Y.S. ENVIRONMENTAL FACILITIES CORP. (1800-780-7227).
I HAVE GATHERED THE FOLLOWING INFORMATION
WHICH SHE HAS REQUESTED:

- 1.) DIAMETER OF EXHAUST FAN
- 2.) HEIGHT FROM GROUND LEVEL
- 3.) MSDS FOR 125 STRIPPER
- 4.) QUANTITY OF 125 STRIPPER USED PER/YR.
- 5.) CFM OF EXISTING FAN
- 6.) HEIGHT OF BUILDING

VIRGINIA WILL RECEIVE THE ABOVE INFORMATION BY
6/13/02. VIRGINIA TOLD ME THAT ONCE SHE
HAS THIS INFORMATION IT WILL 30 DAYS TO COMPLETE
THE APPLICATION. ONCE APPLICATION IS SUBMITTED
I WILL HAVE SUITABLE EXHAUST STACK IN PLACE
WITHIN 30 DAYS (8/16/02).

SINCERELY, Doug Finch
600 Ridge Rd
Webster, NY 14580

New York State Department of Environmental Conservation

Division of Air Resources, Region 8

6274 East Avon-Lima Road, Avon, New York 14414-9519

Phone: (716) 226-2466 • FAX: (716) 226-2909

Website: www.dec.state.ny.us



Erin M. Crotty
Commissioner

September 6, 2002

RECEIVED

SEP 9 2002

REGION 8
LEGAL DIVISION

Mr. Doug Finch
Webster Furniture Stripping
600 Ridge Road
Webster, NY 14580

Re: *Continuing Violations*
Solvent Emissions
Webster (T), Monroe (C)

Dear Mr. Finch:

As of this date, this Department has not received the information required to demonstrate that your furniture stripping operation is in compliance with New York state air pollution control regulations. This information is contained in my June 4, 2002 letter to you and your June 10, 2002 letter to me (both attached).

It is my understanding that you continue to operate your furniture stripping operation without having completed the required actions you committed to in your June 10, 2002 letter. If this is the case, you must stop this activity immediately and not resume until you have received the required permit(s) from this department.

Under Article 71 of the Environmental Conservation Law (§71-2105), the penalty for each violation can be as high as \$10,000 and one year in jail for each person involved. Each day of continued operation is considered a separate violation. If you knowingly operate in violation of the law, you will be subject to arrest and criminal prosecution.

If you have any questions or comments, contact me at this office. My e-mail address is dewalsh@gw.dec.state.ny.us.

Sincerely,

Daniel Walsh, P.E.
Environmental Engineer II
Division of Air Resources

c: Law Enforcement
P. D'Amato
T. Marriott

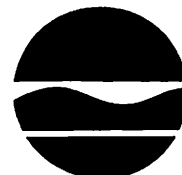
New York State Department of Environmental Conservation

Division of Air Resources, Region 8

6274 East Avon-Lima Road, Avon, New York 14414-9519

Phone: (585) 226-2466 • FAX: (585) 226-2909

Website: www.dec.state.ny.us



Erin M. Crotty
Commissioner

March 10, 2003

Via Certified Mail

Mr. Doug Finch
Webster Furniture Stripping
600 Ridge Road
Webster, NY 14580

**Re: Continuing Operation of Unpermitted Source
DEC ID 8-2654-00047
Webster (T), Monroe (C)**

Dear Mr. Finch:

This letter is to document your need to come into full compliance with the New York State air pollution control regulations as soon as possible if you wish to continue use of your furniture stripping operation.

I understand that as of this past autumn, you were continuing to operate the methylene chloride based paint stripping process that has led to so many complaints from your neighbors. I also understand that you discontinued use of the wall mounted exhaust fan and moved the stripping equipment away from the fan and closer to the overhead doors in front of the building. This may have temporarily reduced the nuisance impact on your neighbors, but it does not bring you into full compliance with the regulations.

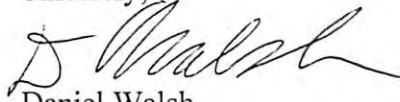
In your June 10, 2002 letter to me, you committed to a plan that should have brought you into compliance with the regulations over six months ago. This plan included submission of a complete permit application. As of this date, no permit application has been received at this office.

Based on our telephone conversations this past autumn, I understand you were working with the state's Small Business Assistance Program and a local supplier to begin using a less toxic stripping formulation. This could be a step in the right direction, but you still have the obligation to complete the permitting process you committed to in June, 2002. If you do not submit a complete and acceptable permit application by May 2, 2003 that will bring you into full compliance by June 6, 2003, you must shut down your furniture stripping operation until the required air permit or registration is received or you will be subject to further enforcement by this Department.

Mr. Doug Finch
March 10, 2003
Page 2

If you have any questions or comments, contact me at this office. My e-mail address is dewalsh@gw.dec.state.ny.us.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. Walsh', with a stylized, flowing script.

Daniel Walsh
Environmental Engineer II
Division of Air Resources

cc: P. D'Amato
ECO R. Doe
T. Marriott
R. McDonough
J. Norsen

Town of Webster

Building Department



1000 Ridge Road, Webster, NY 14580-2917 □ 585-872-7036 □ Fax: 585-872-1352

Notice to Remedy

September 26, 2016

Phillips Lytle
28 East Main Street
Suite 1400
Rochester, New York 14614-1935
Attn: Mr. Richard Evans
Representing: Tower Financial
New Jersey

Re: 600 Ridge Road
Webster, New York, 14580

Mr. Evans,

This letter is to inform you that the building located at 600 Ridge Road, Webster, NY, was posted as "Unsafe" on Friday, September 16th, 2016. This posting says that the building is unsafe and its use or occupancy is prohibited. This is due to the continuing deterioration of the front façade and a collapsing roof in the rear area of the building. The town had talked to the previous owners many times about these conditions to no avail and they have gotten to the point where they can't be ignored any longer.

Mr. Evans, if you could please inform your clients, Tower Financial of New Jersey, the Town of Webster would appreciate what your client's intentions are to remedy the situation at 600 Ridge Road, Webster, NY. A failure to reply could result in the issuance of a Court Appearance Ticket. Their cooperation would be greatly appreciated.

Sincerely,

Rod Potter
Building Inspector
Town of Webster

Notice posted on rear exterior wall of building.

600 W Ridge Road Webster

- Stripping tank in garage – rusty, residual sludge (black) and sawdust inside, some odors – PID hit of >100 ppm.
 - o Magnesium and methylene chloride used in stripping operations
 - o Staining on floor under tank
- Four (4) blue 55 gallon tanks with rainwater and residual chemicals ~10 ppm PID hit
- Small paints and varnishes throughout garage and inside of building
- Hole/drain in center of garage – owner claims goes to sewer – No PID reading
- Inside building – lots of leftover materials, paints, stored wood
- Roof water leaks throughout – buckets with water (no sheens, no PID rdg)
- Upstairs = rental apartment (vacant)
- Partially dirt floor in basement
- Odors in basement (like spray paints), some material (paints) in basement
- Paint booth inside building (once you walk in to right) no PID issues
- Mike Khalil asked owner to dispose of materials at site and get rid of wood (sell,etc)
 - o Not sure if there's a due date for that
 - o Asked owner to send some sort of letter stating material disposed of
- Rob (Fire Marshall) said Town of Webster applied for grant to rehab building and two adjacent ones
- Next step: Should have conference call with all parties involved to see what the intended future use is for the site – suggest a Phase II

Town of Webster

Building Department



1000 Ridge Road, Webster, NY 14580-2917 □ 585-872-7036 □ Fax: 585-872-1352

Notice to Remedy

September 26, 2016

Phillips Lytle
28 East Main Street
Suite 1400
Rochester, New York 14614-1935
Attn: Mr. Richard Evans
Representing: Tower Financial
New Jersey

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Webster, New York, 14580

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Sincerely,

Rod Potter
Building Inspector
Town of Webster

Notice posted on rear exterior wall of building.



Power appears to shut off to building.



Appears to be door that was
used for upstairs apartment.
1025 Gravel Road, Webster,
NY.

NO. 001 STRIPPER 125
UN 2022

1 of 3 drums on-site outside. 2 of which had material inside



**Drum #3 -
Pour
spout on
top. PID
reading
of 9 ppm**

**Drum #1 -
material in
drum. Drum
sealed. No
reading.**

**Drum #2 - material in
drum. Plug on top
broken. PID reading of 5
ppm**



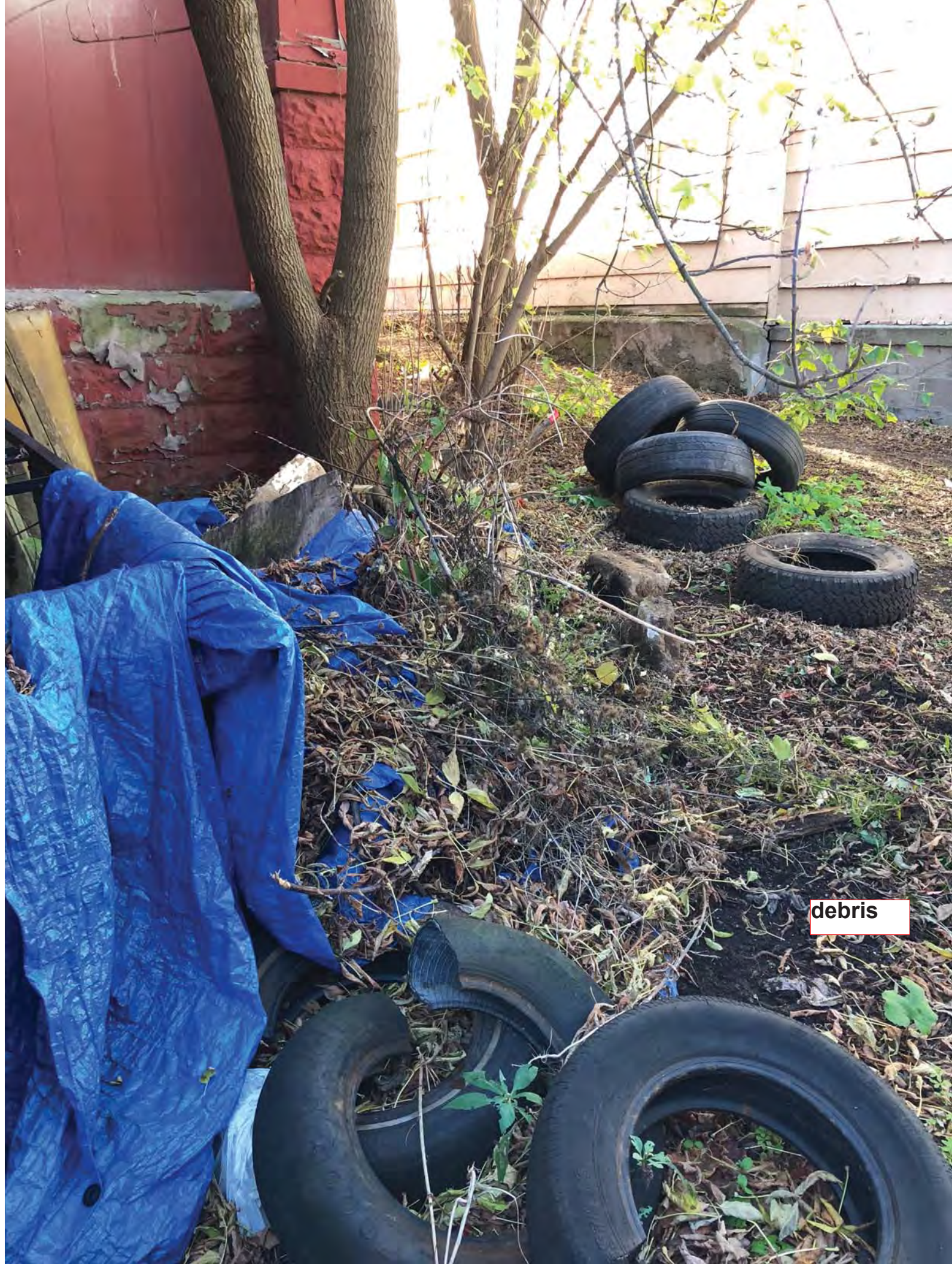
Label on the the blue
drums - Corrosive



Liquid in container. No
PID reading.



Liquid in container.
No PID reading.



debris



Exhaust fan & debris



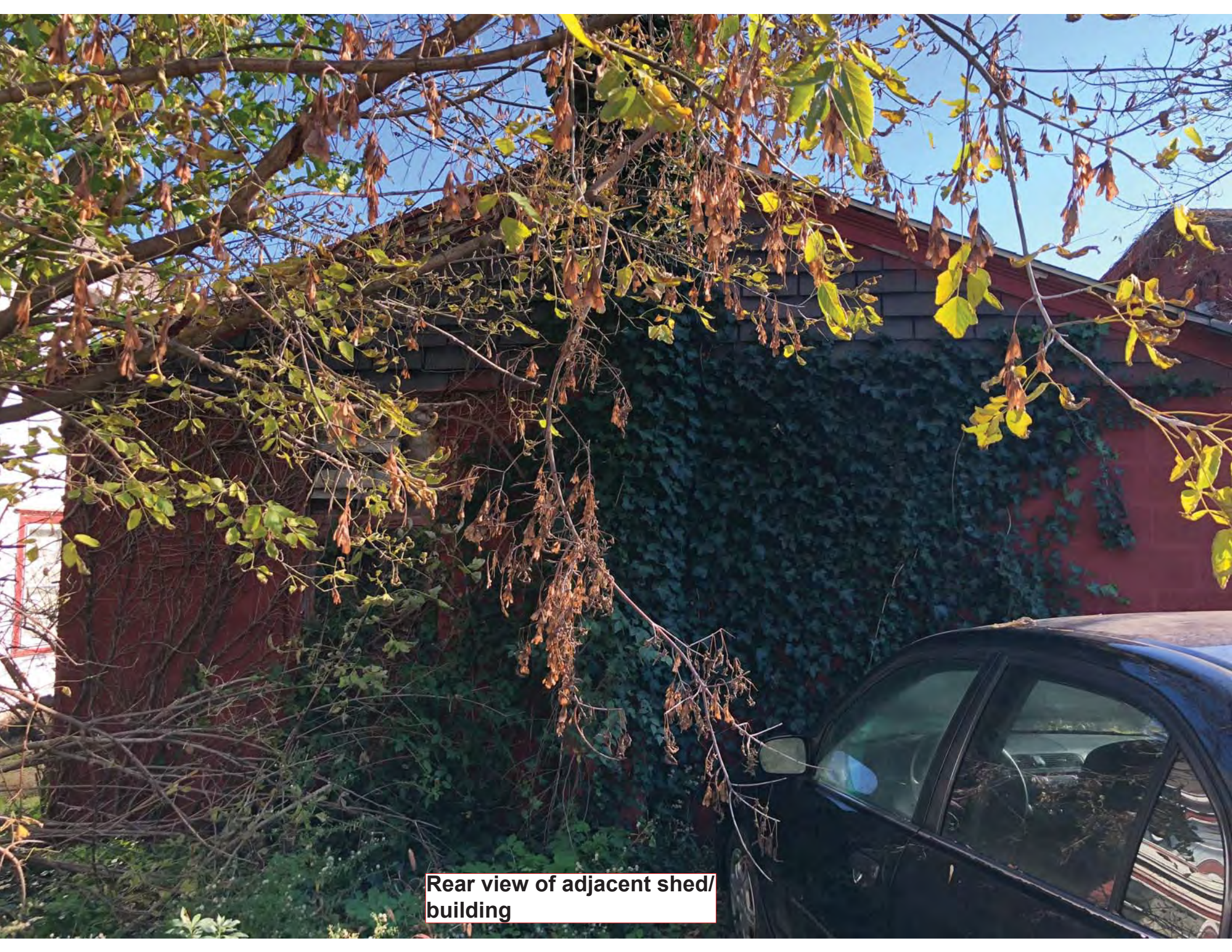
Potential drain pipe - no
PID reading



view into cellar through hole in cellar wall - appears to be sump pump with sanitary discharge pipe



Outside of adjacent shed/
building - not secure



Rear view of adjacent shed/
building



Inside of adjacent shed/
building



Inside of adjacent shed/
building



Inside of adjacent shed/
building



Inside of adjacent shed/
building



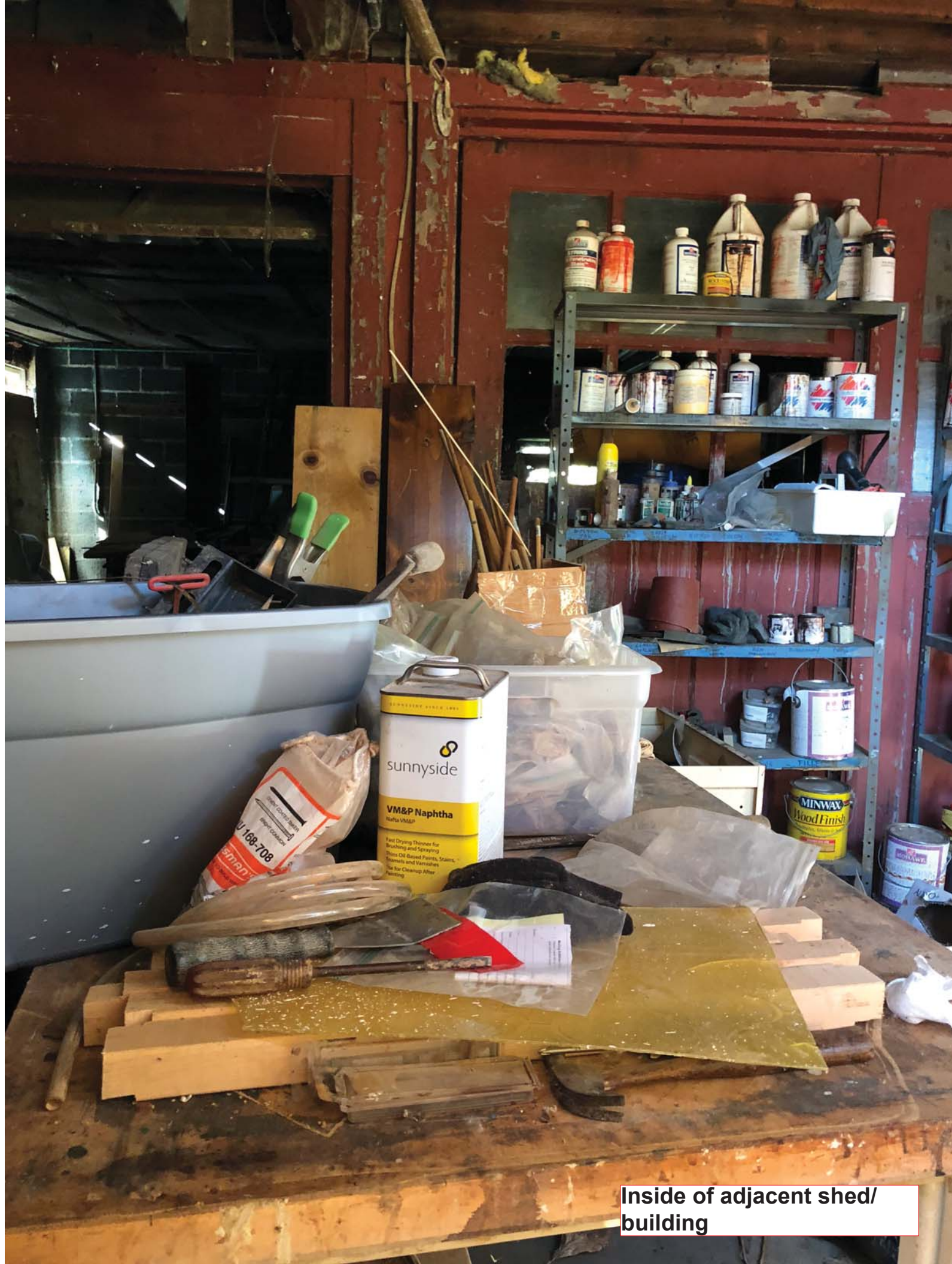
Inside of adjacent shed/
building



Inside of adjacent shed/
building



Inside of adjacent shed/
building



Inside of adjacent shed/
building



Inside of adjacent shed/
building



Please print or type.

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number N Y D 0 3 1 3 5 8 7 0 8	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Manifest Tracking Number 001632180 VES		
5. Generator's Name and Mailing Address WEBSTER FURNITURE 600 RIDGE ROAD WEBSTER, NY 14580 Generator's Phone 585 703-3311			6. Generator's Site Address (if different than mailing address) SAME				
7. Transporter 1 Company Name VEOLIA ES TECHNICAL SOLUTIONS			U.S. EPA ID Number N J D 0 8 0 6 3 1 3 6 9				
7. Transporter 2 Company Name FREEHOLD CARTAGE INC			U.S. EPA ID Number N J D 0 5 4 1 2 6 1 6 4				
8. Designated Facility Name and Site Address VEOLIA ES TECHNICAL SOLUTIONS 4301 INFIRMARY ROAD WEST CARROLLTON, OH 45449 Facility's Phone 937 859-6101			U.S. EPA ID Number O H D 0 9 3 9 4 5 2 9 3				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	X	1. UN1325, WASTE FLAMMABLE SOLIDS, ORGANIC, n.o.s., (OIL BASED PAINT), 4.1, II, RQ (D001)	001	DF	025	P	F003 D001 B F005 D035
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information ER Service Contracted by VESTS - CODs required. - Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf - 1) ERG 133 W 383551 A-BRRMASOLID-LT							
15. GENERATOR'S/OFFEROR'S CERTIFICATION. I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a), if I am a large quantity generator, or (b) if I am a small quantity generator, is true.							
Generator's/Owner's Printed/Typed Name X DOUGLAS FINCH		Signature X [Signature]		Month Day Year 10 18 18			
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry exit Date leaving U.S.:				
	17. Transporter Acknowledgment of Receipt of Materials						
TRANSPORTER	Transporter 1 Printed/Typed Name RICH LA BEND		Signature [Signature]		Month Day Year 10 18 18		
	Transporter 2 Printed/Typed Name John A. Hardy		Signature [Signature]		Month Day Year 10 23 18		
DESIGNATED FACILITY	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number:						
	18b. Alternate Facility (or Generator) Facility's Phone: U.S. EPA ID Number:						
	18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H001 2. 3. 4.							
20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in part 18a							
Printed/Typed Name Anthony Bankership		Signature [Signature]		Month Day Year 11 02 18			



INSPECTION REPORT

SEARCH CRITERIA: Generator is 'NYD031358708'.**GEN / OFFEROR NYD031358708**

NAME: WEBSTER FURNITURE STRIPPERS
 SITE ADDRESS: 600 RIDGE ROAD
 WEST WEBSTER, NY 14580

MAILING ADDRESS: 600 RIDGE ROAD
 WEST WEBSTER, NY 14580

GEN / OFFER SHIP	PAGE #	LINE #	TSDF / REC REC'D DATE	TRANS #1 RCRA ID	TSDF / REC RCRA ID	CONTAINER # TYPE	TOTAL QTY	UNIT WT / VOL	WASTE CODE(S)	HANDLING CODE	MGMT CODE
MANIFEST NO: 002132613GBF											
08/02/2013	1	1	08/20/2013	ILR000130062	MID980615298	3 DF	150	gal	F001, D008	L	H141
08/02/2013	1	2	08/20/2013	ILR000130062	MID980615298	3 DM	150	gal	F002, D008	L	H141
MANIFEST NO: 002986577SKS											
06/12/2012	1	1	06/25/2012	TXR000050930	RID084802842	4 DM	2000	lbs	F002, F001	B	H020
MANIFEST NO: 003856984FLE											
06/29/2011	1	1	07/08/2011	TXR000050930	KYD053348108	8 DF	3200	lbs	F003, F005, D001, D035, D005	B	H061
MANIFEST NO: 003316059FLE											
10/20/2010	1	1	10/30/2010	TXR000050930	KYD053348108	3 DM	1800	lbs	F003, F005, D001, D035, D005	B	H061
MANIFEST NO: 003316060FLE											
10/20/2010	1	1	10/26/2010	TXR000050930	RID084802842	2 DF	1200	lbs	F001, F002	R	H020
MANIFEST NO: 003316202FLE											
08/25/2010	1	1	09/01/2010	TXR000050930	KYD053348108	2 DM	1200	lbs	D001, D005, D006, D007, D008	B	H061
MANIFEST NO: 003316335FLE											
08/18/2010	1	1	08/30/2010	TXR000050930	KYD053348108	2 DM	1050	lbs	D001, D005, D006, D007, D008	B	H061
MANIFEST NO: 003316495FLE											
07/07/2010	1	1	07/17/2010	TXR000050930	KYD053348108	2 DM	700	lbs	D001, D005, D006, D007, D008	B	H061
MANIFEST NO: 001052817SKS											

GEN / OFFER SHIP	PAGE #	LINE #	TSD / REC REC'D DATE	TRANS #1 RCRA ID	TSD / REC RCRA ID	CONTAINER #	TYPE	TOTAL QTY	UNIT WT / VOL	WASTE CODE(S)	HANDLING CODE	MGMT CODE
12/03/2008	1	1	12/13/2008	TXR000050930	KYD053348108	1	DM	450	lbs	F003, F005, D001, D035, D005	L	H141
MANIFEST NO: 000031579SKS												
04/25/2008	1	1	04/25/2008	TXR000050930	KYD053348108	2	DM	800	lbs	F003, F005, D001, D035, D005	B	H141
MANIFEST NO: 000261069SKS												
09/13/2007	1	1	10/07/2007	TXR000050930	KYD053348108	1	DM	450	lbs	F003, F005, D001, D035, D005	B	H061
MANIFEST NO: NYG3211209												
04/26/2002		1	04/26/2002	NYD013277454	NYD013277454	5	DM	275	gal	F001	B	
MANIFEST NO: NYG3210795												
04/05/2002		1	04/05/2002	NYD013277454	NYD013277454	6	DM	330	gal	F001	B	
MANIFEST NO: NYB1798650												
05/15/1990		1	05/18/1990	NYD980761191	NYD043815703	1	DM	55	gal	F003	B	

APPENDIX C:
TEST BORING LOGS
MONITORING WELL CONSTRUCTION LOGS



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: PC.5930S-22
Project Address: 600 Ridge Rd
Webster, NY
DAY Representative: HMM/HEB
Drilling Contractor: TREC
Sampling Method: Geoprobe 420

Date Started: 11/16/2022 Date Ended: 11/16/2022
Borehole Depth: 14.0' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings
Water Level (Date): NM

Test Boring TB-1

Page 1 of 1

Depth (ft)	Sample Number	Sample Depth (ft)	% Recovery	Headspace PID (ppb)	PID Reading (ppb)	Sample Description	Notes
1	S-1	0-2	43	2519	4685	3" Concrete slab	
						Gray, Sand, some Gravel (FILL)	
						Brown, Sandy SILT, trace red brick, damp (FILL)	
2					4694		
3					4203	Reddish Brown, Sand with some Gravel, trace Silt, trace red brick, damp (FILL)	
4	S-2	2-6	50	4336	4535		
5					4122		
6							
7	S-3	6-9	48	3458	3882	Light Brown, SAND, some Silt, trace Gravel, damp	
8					4011		
9					3878		
10					2914		
11	S-4	9-14	50	3541	2591	...dark Brown, SAND and rounded Gravel	
12					2528		
13					2504	...coarse SAND	
14							
15						Refusal @ 14.0'	
16							

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A PPBRae equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-1

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: PC.5930S-22
Project Address: 600 Ridge Rd
Webster, NY
DAY Representative: HMM/HEB
Drilling Contractor: TREC
Sampling Method: Geoprobe 420

Date Started: 11/16/2022 Date Ended: 11/16/2022
Borehole Depth: 14.5' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings
Water Level (Date): NM

Test Boring TB-2

Page 1 of 1

Depth (ft)	Sample Number	Sample Depth (ft)	% Recovery	Headspace PID (ppb)	PID Reading (ppb)	Sample Description	Notes
1	S-1	0-2	38	2264	2451	Dark Brown, Silt, Topsoil, trace Vegetation, moist (FILL)	
					2321	...broken red brick	
2	S-2	2-4	67	2666	2757	Light Brown, fine Sand, some Gravel, trace Silt, damp	
3					2953	...Reddish Brown	
4					3071		
5							
6	S-2	5-11	36	3942	3181	...Tan	
7							
8					3290	...darker Brown, coarse Sand	
9							
10					3560		
11	S-4	11-14.5	24	3645	3140		
12							
13							
14					...trace red Brick		
15						Refusal @ 14.5'	
16							

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.

2) Stratification lines represent approximate boundaries. Transitions may be gradual.

3) PID readings are referenced to an isobutylene standard. A PPBRae equipped with a 10.6 eV lamp was used to obtain the PID readings.

4) NA = Not Available or Not Applicable

5) Headspace PID readings may be influenced by moisture

Test Boring TB-2

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Project #: PC.5930S-22
Project Address: 600 Ridge Rd
Webster, NY

DAY Representative: HMM/HEB
Drilling Contractor: TREC
Sampling Method: Geoprobe 420

Date Started: 11/16/2022 Date Ended: 11/16/2022
Borehole Depth: 19.5' Borehole Diameter: 2.25"
Completion Method: ☒ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): NM

Test Boring TB-3

Page 1 of 2

Depth (ft)	Sample Number	Sample Depth (ft)	% Recovery	Headspace PID (ppb)	PID Reading (ppb)	Sample Description	Notes
1	S-1	0-4	21	4080	116	Asphalt (~0.2 ft. thick)	No recovery from 4 to 8 ft. bgs
2						Light Brown, fine SAND with some Silt and Gravel, tree branch, moist	
3							
4							
5	S-2	4-8	0				
6							
7							
8							
9	S-3	8-12	92	6935	1339	Reddish Brown, SAND with Silt and Gravel, damp	
10					1280	...Grayish Brown	
11					1036		
12					761	...increasing Silt	
13	S-4	12-16	88	2313	1223	Brown, SAND, Silt and Gravel, damp	
14					1138		
15					1034	...Dark Brown, coarse Sand and rounded Gravel (2" thick), damp	
16					966	...Reddish Brown, Silt	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.

2) Stratification lines represent approximate boundaries. Transitions may be gradual.

3) PID readings are referenced to an isobutylene standard. A PPBRae equipped with a 10.6 eV lamp was used to obtain the PID readings.

4) NA = Not Available or Not Applicable

5) Headspace PID readings may be influenced by moisture

Test Boring TB-3

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Project #: PC.5930S-22
Project Address: 600 Ridge Rd
Webster, NY
DAY Representative: HMM/HEB
Drilling Contractor: TREC
Sampling Method: Geoprobe 420

Test Boring TB-3

Page 2 of 2

Date Started: 11/16/2022 Date Ended: 11/16/2022
Borehole Depth: 19.5' Borehole Diameter: 2.25"
Completion Method: ☒ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): NM

Depth (ft)	Sample Number	Sample Depth (ft)	% Recovery	Headspace PID (ppb)	PID Reading (ppb)	Sample Description	Notes
17	S-5	16-19.5	100	905.6	5570	Light Brown, medium SAND, some Gravel	Black staining, chemical type odor
18					4359wet	
19					175.1 ppm		
20					492 ppm	Gray, medium SAND, some Clay, wet	
21						Refusal @ 19.5'	
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.

2) Stratification lines represent approximate boundaries. Transitions may be gradual.

3) PID readings are referenced to an isobutylene standard. A PPBRae equipped with a 10.6 eV lamp was used to obtain the PID readings.

4) NA = Not Available or Not Applicable

5) Headspace PID readings may be influenced by moisture

Test Boring TB-3

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Project #: PC.5930S-22
Project Address: 600 Ridge Rd
Webster, NY
DAY Representative: HMM/HEB
Drilling Contractor: TREC
Sampling Method: Geoprobe 420

Date Started: 11/16/2022 Date Ended: 11/16/2022
Borehole Depth: 19.8' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings
Water Level (Date): NM

Test Boring TB-4

Page 1 of 2

Depth (ft)	Sample Number	Sample Depth (ft)	% Recovery	Headspace PID (ppb)	PID Reading (ppb)	Sample Description	Notes
1	S-1	0-4	35	3583	358	Asphalt (~0.2 ft. thick)	
2						Gray, Sand and Gravel (FILL)	
3					359	...trace Ash and Coal, red Brick	
4	S-2	4-8	50	661	1467	Gray, angular Gravel (<2") and Sand, damp, appparent utility bedding	
5							
6					2195		
7						Brown, coarse Sand, trace Gravel, damp	
8	S-3	8-12	67	446	1801		
9					779		
10					251		
11					523	...1/2" Silt, Brown	
12	S-4	12-16	29	538	486		
13						...rounded Gravel	
14							
15					513	...moist	
16							

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.

2) Stratification lines represent approximate boundaries. Transitions may be gradual.

3) PID readings are referenced to an isobutylene standard. A PPBRae equipped with a 10.6 eV lamp was used to obtain the PID readings.

4) NA = Not Available or Not Applicable

5) Headspace PID readings may be influenced by moisture

Test Boring TB-4

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: PC.5930S-22
Project Address: 600 Ridge Rd
Webster, NY
DAY Representative: HMM/HEB
Drilling Contractor: TREC
Sampling Method: Geoprobe 420

Test Boring TB-4

Page 2 of 2

Date Started: 11/16/2022 Date Ended: 11/16/2022
Borehole Depth: 19.8' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings
Water Level (Date): NM

Depth (ft)	Sample Number	Sample Depth (ft)	% Recovery	Headspace PID (ppb)	PID Reading (ppb)	Sample Description	Notes
17	S-5	16-19.8	35	636	418	Brown, fine SAND, wet	
18							
19					452	Gray, Silty CLAY	
						...fine SAND	
20						Refusal @ 19.8'	
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A PPBRae equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-4

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Project #: PC.5930S-22
Project Address: 600 Ridge Rd
Webster, NY
DAY Representative: HMM/HEB
Drilling Contractor: TREC
Sampling Method: Geoprobe 420

Test Boring TB-5

Page 1 of 2

Date Started: 11/16/2022 Date Ended: 11/16/2022
Borehole Depth: 16.5' Borehole Diameter: 2.25"
Completion Method: ☒ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): NM

Depth (ft)	Sample Number	Sample Depth (ft)	% Recovery	Headspace PID (ppb)	PID Reading (ppb)	Sample Description	Notes
1	S-1	0-4	46	493	894	Asphalt (~0.2 ft. thick)	
						Gray, Sand and Gravel, damp to moist (FILL)	
2					665	...broken Concrete	
3						Reddish Brown, SAND with some Silt and rounded Gravel	
					535		
4	S-2	4-8	69	581	604	Gray, coarse SAND and GRAVEL, damp	
5					339		
6					667		
7					445		
8	S-3	8-12	77	733	548		
9					373		
10					474		
11					551		
12	S-4	12-16	100	546	988	...Brown	
13					930		
14					873		
15					1190	Yellowish Brown, SILT, damp ...2" quartzite	
16							

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.

2) Stratification lines represent approximate boundaries. Transitions may be gradual.

3) PID readings are referenced to an isobutylene standard. A PPBRae equipped with a 10.6 eV lamp was used to obtain the PID readings.

4) NA = Not Available or Not Applicable

5) Headspace PID readings may be influenced by moisture

Test Boring TB-5

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Project #: PC.5930S-22
Project Address: 600 Ridge Rd
Webster, NY

DAY Representative: HMM/HEB
Drilling Contractor: TREC
Sampling Method: Geoprobe 420

Test Boring TB-5

Page 2 of 2

Date Started: 11/16/2022 Date Ended: 11/16/2022
Borehole Depth: 16.5' Borehole Diameter: 2.25"
Completion Method: ☒ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): NM

Depth (ft)	Sample Number	Sample Depth (ft)	% Recovery	Headspace PID (ppb)	PID Reading (ppb)	Sample Description	Notes
	S-5	16-16.5	100		812	Brown, medium SAND, wet	Gray platy rock in shoe
17						Refusal @ 16.5'	
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.

2) Stratification lines represent approximate boundaries. Transitions may be gradual.

3) PID readings are referenced to an isobutylene standard. A PPBRae equipped with a 10.6 eV lamp was used to obtain the PID readings.

4) NA = Not Available or Not Applicable

5) Headspace PID readings may be influenced by moisture

Test Boring TB-5

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Project #: PC.5930S-22
Project Address: 600 Ridge Rd
Webster, NY
DAY Representative: HMM/HEB
Drilling Contractor: TREC
Sampling Method: Geoprobe 420

Date Started: 11/16/2022 Date Ended: 11/16/2022
Borehole Depth: 16.0' Borehole Diameter: 2.25"
Completion Method: ☒ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): NM

Test Boring TB-6

Page 1 of 1

Depth (ft)	Sample Number	Sample Depth (ft)	% Recovery	Headspace PID (ppb)	PID Reading (ppb)	Sample Description	Notes
1					1152	Dark Brown, Topsoil moist	
2	S-1	0-4	29	448		Vegetation	
3					567	...broken Rock	
4					333	Reddish Brown, coarse SAND, some Silt and Gravel, moist	
5							
6	S-2	4-8	50	489	435	...Gray-Tan, some Silt, damp	
7					414		
8							
9					228	...medium SAND, damp	
10	S-3	8-12	77	432	360	Tan-Brown, coarse SAND and rounded Gravel, damp	
11					239	Reddish Brown, Silty SAND, trace Gravel and Clay, damp	
12					212	...Silty CLAY	
13					339	Tan-Brown, coarse SAND, trace Gravel, damp	
14	S-4	12-16	100	1227	391		
15					721	Reddish Brown, Silty SAND, trace Gravel, damp	
16					154.5 ppm		Black staining, petroleum type odor
						Refusal @ 16.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.

2) Stratification lines represent approximate boundaries. Transitions may be gradual.

3) PID readings are referenced to an isobutylene standard. A PPBRae equipped with a 10.6 eV lamp was used to obtain the PID readings.

4) NA = Not Available or Not Applicable

5) Headspace PID readings may be influenced by moisture

Test Boring TB-6

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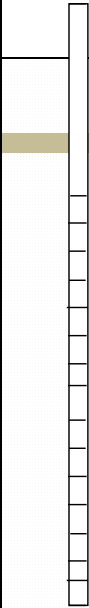
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MONITORING WELL CONSTRUCTION DIAGRAM

Project #:	PC.5930S-22	MONITORING WELL MW-3			
Project Address:	600 Ridge Rd				
	Webster, NY				
DAY Representative:	HMM/HEB				
Drilling Contractor:	TREC	Date Started:	11/16/2022	Datum:	
		Date Ended:	11/16/2022		
		Water Level (Date):	NM (11/21/2022)		

Refer to Test Boring Log TB-6 for Soil Description		0.75 Height of Stickup (ft)
		← Ground Surface
		Backfill Type Bentonite
		0.5 Depth to Top of Bentonite Seal (ft)
		10.0 Depth to Bottom of Bentonite Seal (ft)
		11.0 Depth to Top of Well Screen (ft)
		2.25 Diameter of Borehole (in)
		Backfill Type Sand
		1.0 Inside Diameter of Well (in)
		Type of Pipe PVC
Screen slot size 10-Slot		
		16.0 Depth to Bottom of Well Screen (ft)
		16.0 Depth to Bottom of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-

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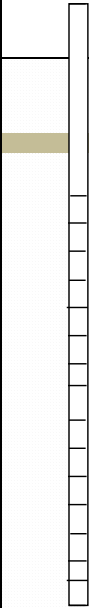
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AN AFFILIATE OF DAY ENGINEERING, P.C.

MONITORING WELL CONSTRUCTION DIAGRAM

Project #:	PC.5930S-22	MONITORING WELL MW-1			
Project Address:	600 Ridge Rd				
	Webster, NY				
DAY Representative:	HMM/HEB				
Drilling Contractor:	TREC	Date Started:	11/16/2022	Datum:	
		Date Ended:	11/16/2022		
		Water Level (Date):	16.32 ft bgs (11/21/2022)		

Refer to Test Boring Log TB-5 for Soil Description		0.6	Height of Stickup (ft)
		← Ground Surface	
		Backfill Type <u>Bentonite</u>	
		0.5	Depth to Top of Bentonite Seal (ft)
		11.5	Depth to Bottom of Bentonite Seal (ft)
		12.5	Depth to Top of Well Screen (ft)
		2.25	Diameter of Borehole (in)
		Backfill Type <u>Sand</u>	
		1.0	Inside Diameter of Well (in)
		Type of Pipe <u>PVC</u>	
Screen slot size <u>10-Slot</u>			
16.5		Depth to Bottom of Well Screen (ft)	
16.5		Depth to Bottom of Borehole (ft)	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-

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MONITORING WELL CONSTRUCTION DIAGRAM

Project #:	PC.5930S-22	MONITORING WELL MW-1	
Project Address:	600 Ridge Rd Webster, NY		
DAY Representative:	HMM/HEB	Date Started: 11/16/2022	Date Ended: 11/16/2022
Drilling Contractor:	TREC	Water Level (Date): 17.33 ft. bgs (11/21/2022)	

Refer to Test Boring Log TB-3 for Soil Description		0.5	Height of Stickup (ft)
		← Ground Surface	
		Backfill Type Bentonite	
		0.5	Depth to Top of Bentonite Seal (ft)
		13.5	Depth to Bottom of Bentonite Seal (ft)
		14.5	Depth to Top of Well Screen (ft)
		2.25	Diameter of Borehole (in)
		Backfill Type Sand	
		1.0	Inside Diameter of Well (in)
		Type of Pipe PVC	
Screen slot size 10-Slot			
19.5		Depth to Bottom of Well Screen (ft)	
19.5		Depth to Bottom of Borehole (ft)	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-

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APPENDIX D:
MONITORING WELL SAMPLING LOGS

**DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG**

WELL MW-1

SECTION 1 - SITE INFORMATION

SITE LOCATION: 600 Ridge Rd **JOB #:** PC.5930S-22
Webster, NY **DATE :** 11/21/2022
SAMPLE COLLECTOR(S): HMM/HEB
WEATHER CONDITIONS: 32° F **PID IN WELL (PPM):** 0.0 **LNAPL** ND **DNAPL** ND

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 19.90 (MEASURED FROM TOP OF CASING - T.O.C.)
STATIC WATER LEVEL (SWL) [FT]: 17.83 (MEASURED FROM T.O.C.)
T.O.C. TO GROUND SURFACE [FT]: 0.5
THICKNESS OF WATER COLUMN [FT]: 2.07 (DEPTH OF WELL - SWL)
CALCULATED VOL. OF H₂O PER WELL CASING [GAL]: 0.085 **CASING DIA.:** 1"
CALCULATIONS:

<u>CASING DIA. (FT)</u>	<u>WELL CONSTANT(GAL/FT)</u>	<u>CALCULATIONS</u>
¾" (0.0625)	0.023	VOL. OF H ₂ O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 0.25 (3 TIMES CASING VOLUME)
ACTUAL VOLUME PURGED [GAL]: 0.25
PURGE METHOD: Peristaltic Pump **PURGE START:** 8:50 **END:** 9:20

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-1	11-21-22 / 9:45	Peristaltic Pump	RCRA Metals, TCL + CP-5a VOCs

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/m)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
18.07	4.7	6.22	1610	NM		200	Gray, slightly turbid

N/M = Not Measured

ND = Not Detected

**DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG**

WELL MW-2

SECTION 1 - SITE INFORMATION

SITE LOCATION: 600 Ridge Rd **JOB #:** PC.5930S-22
Webster, NY **DATE :** 11/21/2022
SAMPLE COLLECTOR(S): HMM/HEB
WEATHER CONDITIONS: 32° F, partly cloudy **PID IN WELL (PPM):** 0.0 **LNAPL** ND **DNAPL** ND

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 16.93 (MEASURED FROM TOP OF CASING - T.O.C.)
STATIC WATER LEVEL (SWL) [FT]: 16.92 (MEASURED FROM T.O.C.)
T.O.C. TO GROUND SURFACE [FT]: 0.6
THICKNESS OF WATER COLUMN [FT]: 0.01* (DEPTH OF WELL - SWL)
CALCULATED VOL. OF H₂O PER WELL CASING [GAL]: 0.0006 **CASING DIA.:** 1"
CALCULATIONS:

<u>CASING DIA. (FT)</u>	<u>WELL CONSTANT(GAL/FT)</u>	<u>CALCULATIONS</u>
¾" (0.0625)	0.023	VOL. OF H ₂ O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: (3 TIMES CASING VOLUME)
ACTUAL VOLUME PURGED [GAL]:
PURGE METHOD: **PURGE START:** **END:**

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/m)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL

N/M = Not Measured

*Insufficient water column to collect water sample

ND = Not Detected

**DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG**

WELL MW-3

SECTION 1 - SITE INFORMATION

SITE LOCATION: 600 Ridge Rd **JOB #:** PC.5930S-22
Webster, NY **DATE :** 11/21/2022
SAMPLE COLLECTOR(S): HMM/HEB
WEATHER CONDITIONS: 32° F, partly cloudy **PID IN WELL (PPM):** 0.0 **LNAPL** ND **DNAPL** ND

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 16.45 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: ND (MEASURED FROM T.O.C.)

T.O.C. TO GROUND SURFACE [FT]: 9"

THICKNESS OF WATER COLUMN [FT]: 0.0* (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H₂O PER WELL CASING [GAL]: 0 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)

WELL CONSTANT(GAL/FT)

CALCULATIONS

¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

VOL. OF H₂O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]:

PURGE METHOD: **PURGE START:** **END:**

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/m)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL

N/M = Not Measured

*Insufficient water column to collect water sample

ND = Not Detected

APPENDIX E:
SUB-SLAB VAPOR SAMPLING LOGS



AN AFFILIATE OF DAY ENGINEERING, P.C.

Page 1 of 1

Surface Seal: Vapor Pin

He Measurement from Vapor Point: 0 ppm

[illegible]

Sub Slab Vapor Sampling Log

www.davenvironmental.com

Project #: PC.5930S-22

Project Address: 600 Ridge Rd

Webster, NY

Date: 11/21/2022

Page 1 of 1

DAY Representative: HMM/HEB

Canister #: 148

Slab Thickness: 4"

Sample Location: Garage Drain

Regulator #: 01793

Probe Depth: Vapor Pin

Purge Time: 5 min.

Sample Designation: SV-2

Start: 11:58

Backfill Material: Vapor Pin

Purge Method: He Pump

Test Duration: 120 min.

End: 13:58

Surface Seal: Vapor Pin

Helium Tracer Testing

Chamber Type / Volume: 1 gal pail

Surface Seal: Vapor Pin

He Concentration Inside

Chamber: 12.40%

He Measurement from Vapor Point: 0 ppm

Vapor Sample Collection Data

[illegible]

Notes: 1) PID readings are referenced to an isobutylene standard measured using a MiniRae 3000 equipped with a 10.6 eV lamp.
2) NM = Not Measured

Sub Slab Vapor Sampling Log

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

www.dayenvironmental.com

Project #: PC.5930S-22

Project Address: 600 Ridge Rd

Webster, NY

Date: 11/21/2022

Page 1 of 1

DAY Representative: HMM/HEB

Canister #: 3428

Slab Thickness: 4"

Sample Location: Basement

Regulator #: 01583

Probe Depth: Vapor Pin

Purge Time: 5 min.

Sample Designation: SV-3

Start: 11:55

Backfill Material: Vapor Pin

Purge Method: He Pump

Test Duration: 125 min.

End: 14:00

Surface Seal: Vapor Pin

Helium Tracer Testing

Chamber Type / Volume: 1 gal pail

Surface Seal: Vapor Pin

He Concentration Inside

Chamber: 3.30%

He Measurement from Vapor Point: 800 ppm

Vapor Sample Collection Data

[illegible]

Notes: 1) PID readings are referenced to an isobutylene standard measured using a MiniRae 3000 equipped with a 10.6 eV lamp.
2) NM = Not Measured

Sub Slab Vapor Sampling Log

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

www.dayenvironmental.com

APPENDIX F:
ANALYTICAL LABORATORY REPORTS



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
Day Engineering, P.C.

For Lab Project ID

225395

Referencing

5930S-22 (Webster)

Prepared

Monday, November 21, 2022

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in blue ink, reading "K. R. Hansen", is written over a horizontal line. The signature is stylized, with the first letters of the first and last names being large and prominent.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, November 21, 2022



Lab Project ID: 225395

Client: Day Engineering, P.C.

Project Reference: 5930S-22 (Webster)

Sample Identifier: Basement

Lab Sample ID: 225395-01

Date Sampled: 11/8/2022 10:50

Matrix: Soil

Date Received 11/8/2022

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.35	ug/Kg		11/11/2022 18:04
1,1,2,2-Tetrachloroethane	< 4.35	ug/Kg		11/11/2022 18:04
1,1,2-Trichloroethane	< 4.35	ug/Kg		11/11/2022 18:04
1,1-Dichloroethane	< 4.35	ug/Kg		11/11/2022 18:04
1,1-Dichloroethene	< 4.35	ug/Kg		11/11/2022 18:04
1,2,3-Trichlorobenzene	< 10.9	ug/Kg		11/11/2022 18:04
1,2,4-Trichlorobenzene	< 10.9	ug/Kg		11/11/2022 18:04
1,2,4-Trimethylbenzene	< 4.35	ug/Kg		11/11/2022 18:04
1,2-Dibromo-3-Chloropropane	< 21.8	ug/Kg		11/11/2022 18:04
1,2-Dibromoethane	< 4.35	ug/Kg		11/11/2022 18:04
1,2-Dichlorobenzene	< 4.35	ug/Kg		11/11/2022 18:04
1,2-Dichloroethane	< 4.35	ug/Kg		11/11/2022 18:04
1,2-Dichloropropane	< 4.35	ug/Kg		11/11/2022 18:04
1,3,5-Trimethylbenzene	< 4.35	ug/Kg		11/11/2022 18:04
1,3-Dichlorobenzene	< 4.35	ug/Kg		11/11/2022 18:04
1,4-Dichlorobenzene	< 4.35	ug/Kg		11/11/2022 18:04
1,4-Dioxane	< 21.8	ug/Kg		11/11/2022 18:04
2-Butanone	< 21.8	ug/Kg		11/11/2022 18:04
2-Hexanone	< 10.9	ug/Kg		11/11/2022 18:04
4-Methyl-2-pentanone	< 10.9	ug/Kg		11/11/2022 18:04
Acetone	< 21.8	ug/Kg		11/11/2022 18:04
Benzene	< 4.35	ug/Kg		11/11/2022 18:04
Bromochloromethane	< 10.9	ug/Kg		11/11/2022 18:04
Bromodichloromethane	< 4.35	ug/Kg		11/11/2022 18:04
Bromoform	< 10.9	ug/Kg		11/11/2022 18:04
Bromomethane	< 4.35	ug/Kg		11/11/2022 18:04
Carbon disulfide	< 4.35	ug/Kg		11/11/2022 18:04
Carbon Tetrachloride	< 4.35	ug/Kg		11/11/2022 18:04

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Lab Project ID: 225395

Client: Day Engineering, P.C.

Project Reference: 5930S-22 (Webster)

Sample Identifier: Basement

Lab Sample ID: 225395-01

Date Sampled: 11/8/2022 10:50

Matrix: Soil

Date Received 11/8/2022

Chlorobenzene	< 4.35	ug/Kg	11/11/2022 18:04
Chloroethane	< 4.35	ug/Kg	11/11/2022 18:04
Chloroform	< 4.35	ug/Kg	11/11/2022 18:04
Chloromethane	< 4.35	ug/Kg	11/11/2022 18:04
cis-1,2-Dichloroethene	< 4.35	ug/Kg	11/11/2022 18:04
cis-1,3-Dichloropropene	< 4.35	ug/Kg	11/11/2022 18:04
Cyclohexane	< 21.8	ug/Kg	11/11/2022 18:04
Dibromochloromethane	< 4.35	ug/Kg	11/11/2022 18:04
Dichlorodifluoromethane	< 4.35	ug/Kg	11/11/2022 18:04
Ethylbenzene	< 4.35	ug/Kg	11/11/2022 18:04
Freon 113	< 4.35	ug/Kg	11/11/2022 18:04
Isopropylbenzene	< 4.35	ug/Kg	11/11/2022 18:04
m,p-Xylene	< 4.35	ug/Kg	11/11/2022 18:04
Methyl acetate	< 4.35	ug/Kg	11/11/2022 18:04
Methyl tert-butyl Ether	< 4.35	ug/Kg	11/11/2022 18:04
Methylcyclohexane	< 4.35	ug/Kg	11/11/2022 18:04
Methylene chloride	< 10.9	ug/Kg	11/11/2022 18:04
Naphthalene	< 10.9	ug/Kg	11/11/2022 18:04
n-Butylbenzene	< 4.35	ug/Kg	11/11/2022 18:04
n-Propylbenzene	< 4.35	ug/Kg	11/11/2022 18:04
o-Xylene	< 4.35	ug/Kg	11/11/2022 18:04
p-Isopropyltoluene	< 4.35	ug/Kg	11/11/2022 18:04
sec-Butylbenzene	< 4.35	ug/Kg	11/11/2022 18:04
Styrene	< 10.9	ug/Kg	11/11/2022 18:04
tert-Butylbenzene	< 4.35	ug/Kg	11/11/2022 18:04
Tetrachloroethene	< 4.35	ug/Kg	11/11/2022 18:04
Toluene	< 4.35	ug/Kg	11/11/2022 18:04
trans-1,2-Dichloroethene	< 4.35	ug/Kg	11/11/2022 18:04
trans-1,3-Dichloropropene	< 4.35	ug/Kg	11/11/2022 18:04
Trichloroethene	< 4.35	ug/Kg	11/11/2022 18:04

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Lab Project ID: 225395

Client: Day Engineering, P.C.

Project Reference: 5930S-22 (Webster)

Sample Identifier: Basement

Lab Sample ID: 225395-01

Date Sampled: 11/8/2022 10:50

Matrix: Soil

Date Received 11/8/2022

Trichlorofluoromethane	< 4.35	ug/Kg	11/11/2022 18:04
Vinyl chloride	< 4.35	ug/Kg	11/11/2022 18:04

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	89.1	74.7 - 140		11/11/2022 18:04
4-Bromofluorobenzene	87.9	68 - 130		11/11/2022 18:04
Pentafluorobenzene	102	70.3 - 140		11/11/2022 18:04
Toluene-D8	97.5	69 - 138		11/11/2022 18:04

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: z13407.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Lab Project ID: 225395

Client: Day Engineering, P.C.

Project Reference: 5930S-22 (Webster)

Sample Identifier: SS-1

Lab Sample ID: 225395-02

Date Sampled: 11/8/2022 11:45

Matrix: Soil

Date Received 11/8/2022

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.76	ug/Kg		11/11/2022 18:24
1,1,2,2-Tetrachloroethane	< 4.76	ug/Kg		11/11/2022 18:24
1,1,2-Trichloroethane	< 4.76	ug/Kg		11/11/2022 18:24
1,1-Dichloroethane	< 4.76	ug/Kg		11/11/2022 18:24
1,1-Dichloroethene	< 4.76	ug/Kg		11/11/2022 18:24
1,2,3-Trichlorobenzene	< 11.9	ug/Kg		11/11/2022 18:24
1,2,4-Trichlorobenzene	< 11.9	ug/Kg		11/11/2022 18:24
1,2,4-Trimethylbenzene	< 4.76	ug/Kg		11/11/2022 18:24
1,2-Dibromo-3-Chloropropane	< 23.8	ug/Kg		11/11/2022 18:24
1,2-Dibromoethane	< 4.76	ug/Kg		11/11/2022 18:24
1,2-Dichlorobenzene	< 4.76	ug/Kg		11/11/2022 18:24
1,2-Dichloroethane	< 4.76	ug/Kg		11/11/2022 18:24
1,2-Dichloropropane	< 4.76	ug/Kg		11/11/2022 18:24
1,3,5-Trimethylbenzene	< 4.76	ug/Kg		11/11/2022 18:24
1,3-Dichlorobenzene	< 4.76	ug/Kg		11/11/2022 18:24
1,4-Dichlorobenzene	< 4.76	ug/Kg		11/11/2022 18:24
1,4-Dioxane	< 23.8	ug/Kg		11/11/2022 18:24
2-Butanone	< 23.8	ug/Kg		11/11/2022 18:24
2-Hexanone	< 11.9	ug/Kg		11/11/2022 18:24
4-Methyl-2-pentanone	< 11.9	ug/Kg		11/11/2022 18:24
Acetone	< 23.8	ug/Kg		11/11/2022 18:24
Benzene	< 4.76	ug/Kg		11/11/2022 18:24
Bromochloromethane	< 11.9	ug/Kg		11/11/2022 18:24
Bromodichloromethane	< 4.76	ug/Kg		11/11/2022 18:24
Bromoform	< 11.9	ug/Kg		11/11/2022 18:24
Bromomethane	< 4.76	ug/Kg		11/11/2022 18:24
Carbon disulfide	< 4.76	ug/Kg		11/11/2022 18:24
Carbon Tetrachloride	< 4.76	ug/Kg		11/11/2022 18:24

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 225395

Client: Day Engineering, P.C.

Project Reference: 5930S-22 (Webster)

Sample Identifier: SS-1

Lab Sample ID: 225395-02

Date Sampled: 11/8/2022 11:45

Matrix: Soil

Date Received 11/8/2022

Chlorobenzene	< 4.76	ug/Kg		11/11/2022 18:24
Chloroethane	< 4.76	ug/Kg		11/11/2022 18:24
Chloroform	< 4.76	ug/Kg		11/11/2022 18:24
Chloromethane	< 4.76	ug/Kg		11/11/2022 18:24
cis-1,2-Dichloroethene	< 4.76	ug/Kg		11/11/2022 18:24
cis-1,3-Dichloropropene	< 4.76	ug/Kg		11/11/2022 18:24
Cyclohexane	< 23.8	ug/Kg		11/11/2022 18:24
Dibromochloromethane	< 4.76	ug/Kg		11/11/2022 18:24
Dichlorodifluoromethane	< 4.76	ug/Kg		11/11/2022 18:24
Ethylbenzene	< 4.76	ug/Kg		11/11/2022 18:24
Freon 113	< 4.76	ug/Kg		11/11/2022 18:24
Isopropylbenzene	< 4.76	ug/Kg		11/11/2022 18:24
m,p-Xylene	2.39	ug/Kg	J	11/11/2022 18:24
Methyl acetate	< 4.76	ug/Kg		11/11/2022 18:24
Methyl tert-butyl Ether	< 4.76	ug/Kg		11/11/2022 18:24
Methylcyclohexane	< 4.76	ug/Kg		11/11/2022 18:24
Methylene chloride	< 11.9	ug/Kg		11/11/2022 18:24
Naphthalene	< 11.9	ug/Kg		11/11/2022 18:24
n-Butylbenzene	< 4.76	ug/Kg		11/11/2022 18:24
n-Propylbenzene	< 4.76	ug/Kg		11/11/2022 18:24
o-Xylene	< 4.76	ug/Kg		11/11/2022 18:24
p-Isopropyltoluene	< 4.76	ug/Kg		11/11/2022 18:24
sec-Butylbenzene	< 4.76	ug/Kg		11/11/2022 18:24
Styrene	< 11.9	ug/Kg		11/11/2022 18:24
tert-Butylbenzene	< 4.76	ug/Kg		11/11/2022 18:24
Tetrachloroethene	< 4.76	ug/Kg		11/11/2022 18:24
Toluene	< 4.76	ug/Kg		11/11/2022 18:24
trans-1,2-Dichloroethene	< 4.76	ug/Kg		11/11/2022 18:24
trans-1,3-Dichloropropene	< 4.76	ug/Kg		11/11/2022 18:24
Trichloroethene	< 4.76	ug/Kg		11/11/2022 18:24

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 225395

Client: Day Engineering, P.C.

Project Reference: 5930S-22 (Webster)

Sample Identifier: SS-1

Lab Sample ID: 225395-02

Date Sampled: 11/8/2022 11:45

Matrix: Soil

Date Received 11/8/2022

Trichlorofluoromethane	< 4.76	ug/Kg	11/11/2022 18:24
Vinyl chloride	< 4.76	ug/Kg	11/11/2022 18:24

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	90.6	74.7 - 140		11/11/2022 18:24
4-Bromofluorobenzene	76.3	68 - 130		11/11/2022 18:24
Pentafluorobenzene	100	70.3 - 140		11/11/2022 18:24
Toluene-D8	92.1	69 - 138		11/11/2022 18:24

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: z13408.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

Lab Project ID: 225395
Client: Day Engineering, P.C.
Project Reference: 5930S-22 (Webster)

Sample Identifier: SS-2

Lab Sample ID: 225395-03

Date Sampled: 11/8/2022 12:05

Matrix: Soil

Date Received 11/8/2022

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.74	ug/Kg		11/11/2022 18:43
1,1,2,2-Tetrachloroethane	< 4.74	ug/Kg		11/11/2022 18:43
1,1,2-Trichloroethane	< 4.74	ug/Kg		11/11/2022 18:43
1,1-Dichloroethane	< 4.74	ug/Kg		11/11/2022 18:43
1,1-Dichloroethene	< 4.74	ug/Kg		11/11/2022 18:43
1,2,3-Trichlorobenzene	< 11.8	ug/Kg		11/11/2022 18:43
1,2,4-Trichlorobenzene	< 11.8	ug/Kg		11/11/2022 18:43
1,2,4-Trimethylbenzene	< 4.74	ug/Kg		11/11/2022 18:43
1,2-Dibromo-3-Chloropropane	< 23.7	ug/Kg		11/11/2022 18:43
1,2-Dibromoethane	< 4.74	ug/Kg		11/11/2022 18:43
1,2-Dichlorobenzene	< 4.74	ug/Kg		11/11/2022 18:43
1,2-Dichloroethane	< 4.74	ug/Kg		11/11/2022 18:43
1,2-Dichloropropane	< 4.74	ug/Kg		11/11/2022 18:43
1,3,5-Trimethylbenzene	< 4.74	ug/Kg		11/11/2022 18:43
1,3-Dichlorobenzene	< 4.74	ug/Kg		11/11/2022 18:43
1,4-Dichlorobenzene	< 4.74	ug/Kg		11/11/2022 18:43
1,4-Dioxane	< 23.7	ug/Kg		11/11/2022 18:43
2-Butanone	< 23.7	ug/Kg		11/11/2022 18:43
2-Hexanone	< 11.8	ug/Kg		11/11/2022 18:43
4-Methyl-2-pentanone	< 11.8	ug/Kg		11/11/2022 18:43
Acetone	< 23.7	ug/Kg		11/11/2022 18:43
Benzene	< 4.74	ug/Kg		11/11/2022 18:43
Bromochloromethane	< 11.8	ug/Kg		11/11/2022 18:43
Bromodichloromethane	< 4.74	ug/Kg		11/11/2022 18:43
Bromoform	< 11.8	ug/Kg		11/11/2022 18:43
Bromomethane	< 4.74	ug/Kg		11/11/2022 18:43
Carbon disulfide	< 4.74	ug/Kg		11/11/2022 18:43
Carbon Tetrachloride	< 4.74	ug/Kg		11/11/2022 18:43

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 225395

Client: Day Engineering, P.C.

Project Reference: 5930S-22 (Webster)

Sample Identifier: SS-2

Lab Sample ID: 225395-03

Date Sampled: 11/8/2022 12:05

Matrix: Soil

Date Received 11/8/2022

Chlorobenzene	< 4.74	ug/Kg	11/11/2022 18:43
Chloroethane	< 4.74	ug/Kg	11/11/2022 18:43
Chloroform	< 4.74	ug/Kg	11/11/2022 18:43
Chloromethane	< 4.74	ug/Kg	11/11/2022 18:43
cis-1,2-Dichloroethene	< 4.74	ug/Kg	11/11/2022 18:43
cis-1,3-Dichloropropene	< 4.74	ug/Kg	11/11/2022 18:43
Cyclohexane	< 23.7	ug/Kg	11/11/2022 18:43
Dibromochloromethane	< 4.74	ug/Kg	11/11/2022 18:43
Dichlorodifluoromethane	< 4.74	ug/Kg	11/11/2022 18:43
Ethylbenzene	< 4.74	ug/Kg	11/11/2022 18:43
Freon 113	< 4.74	ug/Kg	11/11/2022 18:43
Isopropylbenzene	< 4.74	ug/Kg	11/11/2022 18:43
m,p-Xylene	< 4.74	ug/Kg	11/11/2022 18:43
Methyl acetate	< 4.74	ug/Kg	11/11/2022 18:43
Methyl tert-butyl Ether	< 4.74	ug/Kg	11/11/2022 18:43
Methylcyclohexane	< 4.74	ug/Kg	11/11/2022 18:43
Methylene chloride	< 11.8	ug/Kg	11/11/2022 18:43
Naphthalene	< 11.8	ug/Kg	11/11/2022 18:43
n-Butylbenzene	< 4.74	ug/Kg	11/11/2022 18:43
n-Propylbenzene	< 4.74	ug/Kg	11/11/2022 18:43
o-Xylene	< 4.74	ug/Kg	11/11/2022 18:43
p-Isopropyltoluene	< 4.74	ug/Kg	11/11/2022 18:43
sec-Butylbenzene	< 4.74	ug/Kg	11/11/2022 18:43
Styrene	< 11.8	ug/Kg	11/11/2022 18:43
tert-Butylbenzene	< 4.74	ug/Kg	11/11/2022 18:43
Tetrachloroethene	< 4.74	ug/Kg	11/11/2022 18:43
Toluene	< 4.74	ug/Kg	11/11/2022 18:43
trans-1,2-Dichloroethene	< 4.74	ug/Kg	11/11/2022 18:43
trans-1,3-Dichloropropene	< 4.74	ug/Kg	11/11/2022 18:43
Trichloroethene	< 4.74	ug/Kg	11/11/2022 18:43

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Lab Project ID: 225395

Client: Day Engineering, P.C.

Project Reference: 5930S-22 (Webster)

Sample Identifier: SS-2

Lab Sample ID: 225395-03

Date Sampled: 11/8/2022 12:05

Matrix: Soil

Date Received 11/8/2022

Trichlorofluoromethane	< 4.74	ug/Kg	11/11/2022 18:43
Vinyl chloride	< 4.74	ug/Kg	11/11/2022 18:43

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	82.0	74.7 - 140		11/11/2022 18:43
4-Bromofluorobenzene	79.6	68 - 130		11/11/2022 18:43
Pentafluorobenzene	108	70.3 - 140		11/11/2022 18:43
Toluene-D8	95.6	69 - 138		11/11/2022 18:43

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: z13409.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Method Blank Report

Client: Day Engineering, P.C.
Project Reference: 5930S-22 (Webster)
Lab Project ID: 225395
SDG #: 5395-01
Matrix: Soil

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1,1-Trichloroethane	<2.00	ug/Kg		11/11/2022 11:38
1,1,2,2-Tetrachloroethane	<2.00	ug/Kg		11/11/2022 11:38
1,1,2-Trichloroethane	<2.00	ug/Kg		11/11/2022 11:38
1,1-Dichloroethane	<2.00	ug/Kg		11/11/2022 11:38
1,1-Dichloroethene	<2.00	ug/Kg		11/11/2022 11:38
1,2,3-Trichlorobenzene	<5.00	ug/Kg		11/11/2022 11:38
1,2,4-Trichlorobenzene	<5.00	ug/Kg		11/11/2022 11:38
1,2,4-Trimethylbenzene	<2.00	ug/Kg		11/11/2022 11:38
1,2-Dibromo-3-Chloropropane	<10.0	ug/Kg		11/11/2022 11:38
1,2-Dibromoethane	<2.00	ug/Kg		11/11/2022 11:38
1,2-Dichlorobenzene	<2.00	ug/Kg		11/11/2022 11:38
1,2-Dichloroethane	<2.00	ug/Kg		11/11/2022 11:38
1,2-Dichloropropane	<2.00	ug/Kg		11/11/2022 11:38
1,3,5-Trimethylbenzene	<2.00	ug/Kg		11/11/2022 11:38
1,3-Dichlorobenzene	<2.00	ug/Kg		11/11/2022 11:38
1,4-Dichlorobenzene	<2.00	ug/Kg		11/11/2022 11:38
1,4-Dioxane	<10.0	ug/Kg		11/11/2022 11:38
2-Butanone	<10.0	ug/Kg		11/11/2022 11:38
2-Hexanone	<5.00	ug/Kg		11/11/2022 11:38
4-Methyl-2-pentanone	<5.00	ug/Kg		11/11/2022 11:38
Acetone	<10.0	ug/Kg		11/11/2022 11:38
Benzene	<2.00	ug/Kg		11/11/2022 11:38
Bromochloromethane	<5.00	ug/Kg		11/11/2022 11:38
Bromodichloromethane	<2.00	ug/Kg		11/11/2022 11:38
Bromoform	<5.00	ug/Kg		11/11/2022 11:38
Bromomethane	<2.00	ug/Kg		11/11/2022 11:38
Carbon disulfide	<2.00	ug/Kg		11/11/2022 11:38

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: 5930S-22 (Webster)
Lab Project ID: 225395
SDG #: 5395-01
Matrix: Soil

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>	
Carbon Tetrachloride	<2.00	ug/Kg		11/11/2022	11:38
Chlorobenzene	<2.00	ug/Kg		11/11/2022	11:38
Chloroethane	<2.00	ug/Kg		11/11/2022	11:38
Chloroform	<2.00	ug/Kg		11/11/2022	11:38
Chloromethane	<2.00	ug/Kg		11/11/2022	11:38
cis-1,2-Dichloroethene	<2.00	ug/Kg		11/11/2022	11:38
cis-1,3-Dichloropropene	<2.00	ug/Kg		11/11/2022	11:38
Cyclohexane	<10.0	ug/Kg		11/11/2022	11:38
Dibromochloromethane	<2.00	ug/Kg		11/11/2022	11:38
Dichlorodifluoromethane	<2.00	ug/Kg		11/11/2022	11:38
Ethylbenzene	<2.00	ug/Kg		11/11/2022	11:38
Freon 113	<2.00	ug/Kg		11/11/2022	11:38
Isopropylbenzene	<2.00	ug/Kg		11/11/2022	11:38
m,p-Xylene	<2.00	ug/Kg		11/11/2022	11:38
Methyl acetate	<2.00	ug/Kg		11/11/2022	11:38
Methyl tert-butyl Ether	<2.00	ug/Kg		11/11/2022	11:38
Methylcyclohexane	<2.00	ug/Kg		11/11/2022	11:38
Methylene chloride	<5.00	ug/Kg		11/11/2022	11:38
Naphthalene	<5.00	ug/Kg		11/11/2022	11:38
n-Butylbenzene	<2.00	ug/Kg		11/11/2022	11:38
n-Propylbenzene	<2.00	ug/Kg		11/11/2022	11:38
o-Xylene	<2.00	ug/Kg		11/11/2022	11:38
p-Isopropyltoluene	<2.00	ug/Kg		11/11/2022	11:38
sec-Butylbenzene	<2.00	ug/Kg		11/11/2022	11:38
Styrene	<5.00	ug/Kg		11/11/2022	11:38
tert-Butylbenzene	<2.00	ug/Kg		11/11/2022	11:38
Tetrachloroethene	<2.00	ug/Kg		11/11/2022	11:38
Toluene	<2.00	ug/Kg		11/11/2022	11:38

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: 5930S-22 (Webster)
Lab Project ID: 225395
SDG #: 5395-01
Matrix: Soil

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>	
trans-1,2-Dichloroethene	<2.00	ug/Kg		11/11/2022	11:38
trans-1,3-Dichloropropene	<2.00	ug/Kg		11/11/2022	11:38
Trichloroethene	<2.00	ug/Kg		11/11/2022	11:38
Trichlorofluoromethane	<2.00	ug/Kg		11/11/2022	11:38
Vinyl chloride	<2.00	ug/Kg		11/11/2022	11:38

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
1,2-Dichloroethane-d4	101	74.7 - 140		11/11/2022	11:38
4-Bromofluorobenzene	92.2	68 - 130		11/11/2022	11:38
Pentafluorobenzene	99.7	70.3 - 140		11/11/2022	11:38
Toluene-D8	102	69 - 138		11/11/2022	11:38

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: z13388.D
QC Batch ID: voas221111
QC Number: Blk 1

QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.
Project Reference: 5930S-22 (Webster)
Lab Project ID: 225395
SDG #: 5395-01
Matrix: Soil

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
1,1,1-Trichloroethane	20.0	ug/Kg	19.5	97.6	70.9 - 135		11/11/2022
1,1,2,2-Tetrachloroethane	20.0	ug/Kg	19.6	98.2	31.6 - 154		11/11/2022
1,1,2-Trichloroethane	20.0	ug/Kg	19.3	96.7	62 - 132		11/11/2022
1,1-Dichloroethane	20.0	ug/Kg	19.3	96.7	73 - 128		11/11/2022
1,1-Dichloroethene	20.0	ug/Kg	19.5	97.6	61.7 - 119		11/11/2022
1,2-Dichlorobenzene	20.0	ug/Kg	19.4	96.9	61 - 118		11/11/2022
1,2-Dichloroethane	20.0	ug/Kg	19.4	96.8	73.4 - 123		11/11/2022
1,2-Dichloropropane	20.0	ug/Kg	18.9	94.6	71.3 - 123		11/11/2022
1,3-Dichlorobenzene	20.0	ug/Kg	19.6	98.1	68.7 - 112		11/11/2022
1,4-Dichlorobenzene	20.0	ug/Kg	19.3	96.3	66.9 - 113		11/11/2022
Benzene	20.0	ug/Kg	20.1	100	77.8 - 119		11/11/2022
Bromodichloromethane	20.0	ug/Kg	19.3	96.3	65.7 - 125		11/11/2022
Bromoform	20.0	ug/Kg	19.3	96.4	54.7 - 130		11/11/2022
Bromomethane	20.0	ug/Kg	20.3	101	44.6 - 167		11/11/2022
Carbon Tetrachloride	20.0	ug/Kg	20.4	102	61.8 - 138		11/11/2022
Chlorobenzene	20.0	ug/Kg	20.2	101	77.2 - 108		11/11/2022

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.
Project Reference: 5930S-22 (Webster)
Lab Project ID: 225395
SDG #: 5395-01
Matrix: Soil

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
Chloroethane	20.0	ug/Kg	19.6	98.1	55.5 - 151		11/11/2022
Chloroform	20.0	ug/Kg	19.5	97.5	70.1 - 134		11/11/2022
Chloromethane	20.0	ug/Kg	18.0	89.9	42.4 - 168		11/11/2022
cis-1,3-Dichloropropene	20.0	ug/Kg	19.1	95.6	66.7 - 122		11/11/2022
Dibromochloromethane	20.0	ug/Kg	19.4	96.9	61.2 - 130		11/11/2022
Ethylbenzene	20.0	ug/Kg	19.1	95.6	71.6 - 112		11/11/2022
Methylene chloride	20.0	ug/Kg	19.3	96.5	38.2 - 155		11/11/2022
Tetrachloroethene	20.0	ug/Kg	20.2	101	61.4 - 137		11/11/2022
Toluene	20.0	ug/Kg	20.1	100	71.1 - 124		11/11/2022
trans-1,2-Dichloroethene	20.0	ug/Kg	19.7	98.5	67.3 - 127		11/11/2022
trans-1,3-Dichloropropene	20.0	ug/Kg	18.5	92.6	55 - 126		11/11/2022
Trichloroethene	20.0	ug/Kg	20.7	104	69.3 - 128		11/11/2022
Trichlorofluoromethane	20.0	ug/Kg	20.6	103	64 - 140		11/11/2022
Vinyl chloride	20.0	ug/Kg	20.0	100	51.2 - 160		11/11/2022

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.

Project Reference: 5930S-22 (Webster)

Lab Project ID: 225395

SDG #: 5395-01

Matrix: Soil

Volatile Organics

<u>Analyte</u>	<u>Spike</u>	<u>Spike</u>	<u>LCS</u>	<u>LCS %</u>	<u>% Rec</u>	<u>LCS</u>	<u>Date</u>
<u>Method Reference(s):</u>	<u>Added</u>	<u>Units</u>	<u>Result</u>	<u>Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Analyzed</u>
EPA 8260C							
EPA 5035A - L							
Data File:							
z13387.D							
QC Number:							
LCS 1							
QC Batch ID:							
voas221111							

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Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"H" = Denotes a parameter analyzed outside of holding time.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

INVOICE TO:Page 19 of 20



2012

Chain of Custody Supplement

Client:

Day Engineering
225395

Completed by:

ZF

Lab Project ID:

Date:

11/8/22

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input type="checkbox"/>	<input checked="" type="checkbox"/> SOBS	<input type="checkbox"/>
Comments			
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	10°C iced in field		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			



Analytical Report For
Day Engineering, P.C.

For Lab Project ID

225566

Referencing

PC-5930S-22

Prepared

Thursday, December 1, 2022

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in blue ink, appearing to read "K. Hansen", is written over a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

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Report Prepared Thursday, December 1, 2022

Page 1 of 54



Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-1 (3-4)

Lab Sample ID: 225566-01

Date Sampled: 11/16/2022 9:20

Matrix: Soil

Date Received 11/16/2022

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.05	ug/Kg		11/23/2022 20:04
1,1,2,2-Tetrachloroethane	< 4.05	ug/Kg		11/23/2022 20:04
1,1,2-Trichloroethane	< 4.05	ug/Kg		11/23/2022 20:04
1,1-Dichloroethane	< 4.05	ug/Kg		11/23/2022 20:04
1,1-Dichloroethene	< 4.05	ug/Kg		11/23/2022 20:04
1,2,3-Trichlorobenzene	< 10.1	ug/Kg		11/23/2022 20:04
1,2,4-Trichlorobenzene	< 10.1	ug/Kg		11/23/2022 20:04
1,2,4-Trimethylbenzene	< 4.05	ug/Kg		11/23/2022 20:04
1,2-Dibromo-3-Chloropropane	< 20.3	ug/Kg		11/23/2022 20:04
1,2-Dibromoethane	< 4.05	ug/Kg		11/23/2022 20:04
1,2-Dichlorobenzene	< 4.05	ug/Kg		11/23/2022 20:04
1,2-Dichloroethane	< 4.05	ug/Kg		11/23/2022 20:04
1,2-Dichloropropane	< 4.05	ug/Kg		11/23/2022 20:04
1,3,5-Trimethylbenzene	< 4.05	ug/Kg		11/23/2022 20:04
1,3-Dichlorobenzene	< 4.05	ug/Kg		11/23/2022 20:04
1,4-Dichlorobenzene	< 4.05	ug/Kg		11/23/2022 20:04
1,4-Dioxane	< 20.3	ug/Kg		11/23/2022 20:04
2-Butanone	< 20.3	ug/Kg		11/23/2022 20:04
2-Hexanone	< 10.1	ug/Kg		11/23/2022 20:04
4-Methyl-2-pentanone	< 10.1	ug/Kg		11/23/2022 20:04
Acetone	< 20.3	ug/Kg		11/23/2022 20:04
Benzene	< 4.05	ug/Kg		11/23/2022 20:04
Bromochloromethane	< 10.1	ug/Kg		11/23/2022 20:04
Bromodichloromethane	< 4.05	ug/Kg		11/23/2022 20:04
Bromoform	< 10.1	ug/Kg		11/23/2022 20:04
Bromomethane	< 4.05	ug/Kg		11/23/2022 20:04
Carbon disulfide	< 4.05	ug/Kg		11/23/2022 20:04
Carbon Tetrachloride	< 4.05	ug/Kg		11/23/2022 20:04

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Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-1 (3-4)

Lab Sample ID: 225566-01

Date Sampled: 11/16/2022 9:20

Matrix: Soil

Date Received 11/16/2022

Chlorobenzene	< 4.05	ug/Kg	11/23/2022 20:04
Chloroethane	< 4.05	ug/Kg	11/23/2022 20:04
Chloroform	< 4.05	ug/Kg	11/23/2022 20:04
Chloromethane	< 4.05	ug/Kg	11/23/2022 20:04
cis-1,2-Dichloroethene	< 4.05	ug/Kg	11/23/2022 20:04
cis-1,3-Dichloropropene	< 4.05	ug/Kg	11/23/2022 20:04
Cyclohexane	< 20.3	ug/Kg	11/23/2022 20:04
Dibromochloromethane	< 4.05	ug/Kg	11/23/2022 20:04
Dichlorodifluoromethane	< 4.05	ug/Kg	11/23/2022 20:04
Ethylbenzene	< 4.05	ug/Kg	11/23/2022 20:04
Freon 113	< 4.05	ug/Kg	11/23/2022 20:04
Isopropylbenzene	< 4.05	ug/Kg	11/23/2022 20:04
m,p-Xylene	4.54	ug/Kg	11/23/2022 20:04
Methyl acetate	< 4.05	ug/Kg	11/23/2022 20:04
Methyl tert-butyl Ether	< 4.05	ug/Kg	11/23/2022 20:04
Methylcyclohexane	< 4.05	ug/Kg	11/23/2022 20:04
Methylene chloride	86.2	ug/Kg	11/23/2022 20:04
Naphthalene	< 10.1	ug/Kg	11/23/2022 20:04
n-Butylbenzene	< 4.05	ug/Kg	11/23/2022 20:04
n-Propylbenzene	< 4.05	ug/Kg	11/23/2022 20:04
o-Xylene	< 4.05	ug/Kg	11/23/2022 20:04
p-Isopropyltoluene	< 4.05	ug/Kg	11/23/2022 20:04
sec-Butylbenzene	< 4.05	ug/Kg	11/23/2022 20:04
Styrene	< 10.1	ug/Kg	11/23/2022 20:04
tert-Butylbenzene	< 4.05	ug/Kg	11/23/2022 20:04
Tetrachloroethene	< 4.05	ug/Kg	11/23/2022 20:04
Toluene	6.87	ug/Kg	11/23/2022 20:04
trans-1,2-Dichloroethene	< 4.05	ug/Kg	11/23/2022 20:04
trans-1,3-Dichloropropene	< 4.05	ug/Kg	11/23/2022 20:04
Trichloroethene	< 4.05	ug/Kg	11/23/2022 20:04

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Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-1 (3-4)

Lab Sample ID: 225566-01

Date Sampled: 11/16/2022 9:20

Matrix: Soil

Date Received 11/16/2022

Trichlorofluoromethane	< 4.05	ug/Kg	11/23/2022 20:04
Vinyl chloride	< 4.05	ug/Kg	11/23/2022 20:04

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	87.7	74.7 - 140		11/23/2022 20:04
4-Bromofluorobenzene	89.2	68 - 130		11/23/2022 20:04
Pentafluorobenzene	104	70.3 - 140		11/23/2022 20:04
Toluene-D8	99.4	69 - 138		11/23/2022 20:04

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: z13688.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-1 (4-6)

Lab Sample ID: 225566-02

Date Sampled: 11/16/2022 9:20

Matrix: Soil

Date Received 11/16/2022

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	0.199	mg/Kg		11/22/2022 14:30

Method Reference(s): EPA 7471B
Preparation Date: 11/21/2022
Data File: Hg221122B

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	8.61	mg/Kg		11/22/2022 13:15
Barium	69.3	mg/Kg		11/22/2022 13:15
Cadmium	0.628	mg/Kg		11/22/2022 13:15
Chromium	10.9	mg/Kg		11/22/2022 13:15
Lead	129	mg/Kg		11/22/2022 13:15
Selenium	< 1.08	mg/Kg		11/22/2022 13:15
Silver	< 0.539	mg/Kg		11/22/2022 13:15

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 11/18/2022
Data File: 221122B

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0304	mg/Kg		11/23/2022 21:16
PCB-1221	< 0.0304	mg/Kg		11/23/2022 21:16
PCB-1232	< 0.0304	mg/Kg		11/23/2022 21:16
PCB-1242	< 0.0304	mg/Kg		11/23/2022 21:16
PCB-1248	< 0.0304	mg/Kg		11/23/2022 21:16
PCB-1254	0.0688	mg/Kg		11/23/2022 21:16
PCB-1260	0.0553	mg/Kg		11/23/2022 21:16
PCB-1262	< 0.0304	mg/Kg		11/23/2022 21:16
PCB-1268	< 0.0304	mg/Kg		11/23/2022 21:16

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Lab Project ID: 225566

Client: **Day Engineering, P.C.**

Project Reference: PC-5930S-22

Sample Identifier: TB-1 (4-6)

Lab Sample ID: 225566-02

Date Sampled: 11/16/2022 9:20

Matrix: Soil

Date Received 11/16/2022

Surrogate

Percent Recovery

Limits

Outliers

Date Analyzed

Tetrachloro-m-xylene

34.7

12.7 - 101

11/23/2022 21:16

Method Reference(s): EPA 8082A
EPA 3546

Preparation Date: 11/22/2022



Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-3 (18-19.5)

Lab Sample ID: 225566-03

Date Sampled: 11/16/2022 11:33

Matrix: Soil

Date Received 11/16/2022

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.00922	mg/Kg		11/22/2022 14:31

Method Reference(s): EPA 7471B

Preparation Date: 11/21/2022

Data File: Hg221122B

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	5.42	mg/Kg		11/22/2022 13:20
Barium	11.6	mg/Kg		11/22/2022 13:20
Cadmium	0.301	mg/Kg		11/22/2022 13:20
Chromium	7.18	mg/Kg		11/22/2022 13:20
Lead	3.05	mg/Kg		11/22/2022 13:20
Selenium	< 1.13	mg/Kg		11/22/2022 13:20
Silver	< 0.567	mg/Kg		11/22/2022 13:20

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 11/18/2022

Data File: 221122B

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0300	mg/Kg		11/28/2022 14:13
PCB-1221	< 0.0300	mg/Kg		11/28/2022 14:13
PCB-1232	< 0.0300	mg/Kg		11/28/2022 14:13
PCB-1242	< 0.0300	mg/Kg		11/28/2022 14:13
PCB-1248	< 0.0300	mg/Kg		11/28/2022 14:13
PCB-1254	< 0.0300	mg/Kg		11/28/2022 14:13
PCB-1260	< 0.0300	mg/Kg		11/28/2022 14:13
PCB-1262	< 0.0300	mg/Kg		11/28/2022 14:13
PCB-1268	< 0.0300	mg/Kg		11/28/2022 14:13

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Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-3 (18-19.5)

Lab Sample ID: 225566-03

Date Sampled: 11/16/2022 11:33

Matrix: Soil

Date Received 11/16/2022

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	62.5	12.7 - 101		11/28/2022 14:13
Method Reference(s):	EPA 8082A			
	EPA 3546			
Preparation Date:	11/21/2022			

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 311	ug/Kg		11/21/2022 17:41
1,2,4,5-Tetrachlorobenzene	< 311	ug/Kg		11/21/2022 17:41
1,2,4-Trichlorobenzene	< 311	ug/Kg		11/21/2022 17:41
1,2-Dichlorobenzene	< 311	ug/Kg		11/21/2022 17:41
1,3-Dichlorobenzene	< 311	ug/Kg		11/21/2022 17:41
1,4-Dichlorobenzene	< 311	ug/Kg		11/21/2022 17:41
2,2-Oxybis (1-chloropropane)	< 311	ug/Kg		11/21/2022 17:41
2,3,4,6-Tetrachlorophenol	< 311	ug/Kg		11/21/2022 17:41
2,4,5-Trichlorophenol	< 311	ug/Kg		11/21/2022 17:41
2,4,6-Trichlorophenol	< 311	ug/Kg		11/21/2022 17:41
2,4-Dichlorophenol	< 311	ug/Kg		11/21/2022 17:41
2,4-Dimethylphenol	< 311	ug/Kg		11/21/2022 17:41
2,4-Dinitrophenol	< 1240	ug/Kg		11/21/2022 17:41
2,4-Dinitrotoluene	< 311	ug/Kg		11/21/2022 17:41
2,6-Dinitrotoluene	< 311	ug/Kg		11/21/2022 17:41
2-Chloronaphthalene	< 311	ug/Kg		11/21/2022 17:41
2-Chlorophenol	< 311	ug/Kg		11/21/2022 17:41
2-Methylnaphthalene	< 311	ug/Kg		11/21/2022 17:41
2-Methylphenol	< 311	ug/Kg		11/21/2022 17:41
2-Nitroaniline	< 311	ug/Kg		11/21/2022 17:41
2-Nitrophenol	< 311	ug/Kg		11/21/2022 17:41
3&4-Methylphenol	< 311	ug/Kg		11/21/2022 17:41
3,3'-Dichlorobenzidine	< 311	ug/Kg		11/21/2022 17:41

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Lab Project ID: 225566
Client: Day Engineering, P.C.
Project Reference: PC-5930S-22

Sample Identifier: TB-3 (18-19.5)

Lab Sample ID: 225566-03

Date Sampled: 11/16/2022 11:33

Matrix: Soil

Date Received 11/16/2022

3-Nitroaniline	< 311	ug/Kg	11/21/2022 17:41
4,6-Dinitro-2-methylphenol	< 621	ug/Kg	11/21/2022 17:41
4-Bromophenyl phenyl ether	< 311	ug/Kg	11/21/2022 17:41
4-Chloro-3-methylphenol	< 311	ug/Kg	11/21/2022 17:41
4-Chloroaniline	< 311	ug/Kg	11/21/2022 17:41
4-Chlorophenyl phenyl ether	< 311	ug/Kg	11/21/2022 17:41
4-Nitroaniline	< 311	ug/Kg	11/21/2022 17:41
4-Nitrophenol	< 311	ug/Kg	11/21/2022 17:41
Acenaphthene	< 311	ug/Kg	11/21/2022 17:41
Acenaphthylene	< 311	ug/Kg	11/21/2022 17:41
Acetophenone	< 311	ug/Kg	11/21/2022 17:41
Anthracene	< 311	ug/Kg	11/21/2022 17:41
Atrazine	< 311	ug/Kg	11/21/2022 17:41
Benzaldehyde	< 311	ug/Kg	11/21/2022 17:41
Benzo (a) anthracene	< 311	ug/Kg	11/21/2022 17:41
Benzo (a) pyrene	< 311	ug/Kg	11/21/2022 17:41
Benzo (b) fluoranthene	< 311	ug/Kg	11/21/2022 17:41
Benzo (g,h,i) perylene	< 311	ug/Kg	11/21/2022 17:41
Benzo (k) fluoranthene	< 311	ug/Kg	11/21/2022 17:41
Bis (2-chloroethoxy) methane	< 311	ug/Kg	11/21/2022 17:41
Bis (2-chloroethyl) ether	< 311	ug/Kg	11/21/2022 17:41
Bis (2-ethylhexyl) phthalate	< 311	ug/Kg	11/21/2022 17:41
Butylbenzylphthalate	< 311	ug/Kg	11/21/2022 17:41
Caprolactam	< 311	ug/Kg	11/21/2022 17:41
Carbazole	< 311	ug/Kg	11/21/2022 17:41
Chrysene	< 311	ug/Kg	11/21/2022 17:41
Dibenz (a,h) anthracene	< 311	ug/Kg	11/21/2022 17:41
Dibenzofuran	< 311	ug/Kg	11/21/2022 17:41
Diethyl phthalate	< 311	ug/Kg	11/21/2022 17:41
Dimethyl phthalate	< 311	ug/Kg	11/21/2022 17:41

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Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-3 (18-19.5)

Lab Sample ID: 225566-03

Date Sampled: 11/16/2022 11:33

Matrix: Soil

Date Received 11/16/2022

Di-n-butyl phthalate	< 311	ug/Kg	11/21/2022 17:41
Di-n-octylphthalate	< 311	ug/Kg	11/21/2022 17:41
Fluoranthene	< 311	ug/Kg	11/21/2022 17:41
Fluorene	< 311	ug/Kg	11/21/2022 17:41
Hexachlorobenzene	< 311	ug/Kg	11/21/2022 17:41
Hexachlorobutadiene	< 311	ug/Kg	11/21/2022 17:41
Hexachlorocyclopentadiene	< 1240	ug/Kg	11/21/2022 17:41
Hexachloroethane	< 311	ug/Kg	11/21/2022 17:41
Indeno (1,2,3-cd) pyrene	< 311	ug/Kg	11/21/2022 17:41
Isophorone	< 311	ug/Kg	11/21/2022 17:41
Naphthalene	< 311	ug/Kg	11/21/2022 17:41
Nitrobenzene	< 311	ug/Kg	11/21/2022 17:41
N-Nitroso-di-n-propylamine	< 311	ug/Kg	11/21/2022 17:41
N-Nitrosodiphenylamine	< 311	ug/Kg	11/21/2022 17:41
Pentachlorophenol	< 621	ug/Kg	11/21/2022 17:41
Phenanthrene	< 311	ug/Kg	11/21/2022 17:41
Phenol	< 311	ug/Kg	11/21/2022 17:41
Pyrene	< 311	ug/Kg	11/21/2022 17:41

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	63.0	35.4 - 92.4		11/21/2022 17:41
2-Fluorobiphenyl	67.8	39.6 - 84.4		11/21/2022 17:41
2-Fluorophenol	58.6	35.5 - 78.9		11/21/2022 17:41
Nitrobenzene-d5	62.2	36.5 - 78.2		11/21/2022 17:41
Phenol-d5	62.8	37.1 - 78.3		11/21/2022 17:41
Terphenyl-d14	75.0	42.3 - 103		11/21/2022 17:41

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 11/18/2022

Data File: B65116.D

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Report Prepared Thursday, December 1, 2022

Page 10 of 54

Lab Project ID: 225566
Client: Day Engineering, P.C.
Project Reference: PC-5930S-22

Sample Identifier: TB-3 (18.5-19)

Lab Sample ID: 225566-04

Date Sampled: 11/16/2022 11:30

Matrix: Soil

Date Received 11/16/2022

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 695	ug/Kg		11/29/2022 13:36
1,1,2,2-Tetrachloroethane	< 695	ug/Kg		11/29/2022 13:36
1,1,2-Trichloroethane	< 695	ug/Kg		11/29/2022 13:36
1,1-Dichloroethane	< 695	ug/Kg		11/29/2022 13:36
1,1-Dichloroethene	< 695	ug/Kg		11/29/2022 13:36
1,2,3-Trichlorobenzene	< 1740	ug/Kg		11/29/2022 13:36
1,2,4-Trichlorobenzene	< 1740	ug/Kg		11/29/2022 13:36
1,2,4-Trimethylbenzene	947	ug/Kg		11/29/2022 13:36
1,2-Dibromo-3-Chloropropane	< 3480	ug/Kg		11/29/2022 13:36
1,2-Dibromoethane	< 695	ug/Kg		11/29/2022 13:36
1,2-Dichlorobenzene	< 695	ug/Kg		11/29/2022 13:36
1,2-Dichloroethane	< 695	ug/Kg		11/29/2022 13:36
1,2-Dichloropropane	< 695	ug/Kg		11/29/2022 13:36
1,3,5-Trimethylbenzene	791	ug/Kg		11/29/2022 13:36
1,3-Dichlorobenzene	< 695	ug/Kg		11/29/2022 13:36
1,4-Dichlorobenzene	< 695	ug/Kg		11/29/2022 13:36
1,4-Dioxane	< 3480	ug/Kg		11/29/2022 13:36
2-Butanone	< 3480	ug/Kg		11/29/2022 13:36
2-Hexanone	< 1740	ug/Kg		11/29/2022 13:36
4-Methyl-2-pentanone	< 1740	ug/Kg		11/29/2022 13:36
Acetone	< 3480	ug/Kg		11/29/2022 13:36
Benzene	< 695	ug/Kg		11/29/2022 13:36
Bromochloromethane	< 1740	ug/Kg		11/29/2022 13:36
Bromodichloromethane	< 695	ug/Kg		11/29/2022 13:36
Bromoform	< 1740	ug/Kg		11/29/2022 13:36
Bromomethane	< 695	ug/Kg		11/29/2022 13:36
Carbon disulfide	< 695	ug/Kg		11/29/2022 13:36
Carbon Tetrachloride	< 695	ug/Kg		11/29/2022 13:36

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-3 (18.5-19)

Lab Sample ID: 225566-04

Date Sampled: 11/16/2022 11:30

Matrix: Soil

Date Received 11/16/2022

Chlorobenzene	< 695	ug/Kg		11/29/2022 13:36
Chloroethane	< 695	ug/Kg		11/29/2022 13:36
Chloroform	< 695	ug/Kg		11/29/2022 13:36
Chloromethane	< 695	ug/Kg		11/29/2022 13:36
cis-1,2-Dichloroethene	< 695	ug/Kg		11/29/2022 13:36
cis-1,3-Dichloropropene	< 695	ug/Kg		11/29/2022 13:36
Cyclohexane	< 3480	ug/Kg		11/29/2022 13:36
Dibromochloromethane	< 695	ug/Kg		11/29/2022 13:36
Dichlorodifluoromethane	< 695	ug/Kg		11/29/2022 13:36
Ethylbenzene	< 695	ug/Kg		11/29/2022 13:36
Freon 113	< 695	ug/Kg		11/29/2022 13:36
Isopropylbenzene	< 695	ug/Kg		11/29/2022 13:36
m,p-Xylene	< 695	ug/Kg		11/29/2022 13:36
Methyl acetate	< 695	ug/Kg		11/29/2022 13:36
Methyl tert-butyl Ether	< 695	ug/Kg		11/29/2022 13:36
Methylcyclohexane	8330	ug/Kg		11/29/2022 13:36
Methylene chloride	< 1740	ug/Kg		11/29/2022 13:36
Naphthalene	< 1740	ug/Kg		11/29/2022 13:36
n-Butylbenzene	2330	ug/Kg		11/29/2022 13:36
n-Propylbenzene	< 695	ug/Kg		11/29/2022 13:36
o-Xylene	< 695	ug/Kg		11/29/2022 13:36
p-Isopropyltoluene	523	ug/Kg	J	11/29/2022 13:36
sec-Butylbenzene	405	ug/Kg	J	11/29/2022 13:36
Styrene	< 1740	ug/Kg		11/29/2022 13:36
tert-Butylbenzene	< 695	ug/Kg		11/29/2022 13:36
Tetrachloroethene	< 695	ug/Kg		11/29/2022 13:36
Toluene	< 695	ug/Kg		11/29/2022 13:36
trans-1,2-Dichloroethene	< 695	ug/Kg		11/29/2022 13:36
trans-1,3-Dichloropropene	< 695	ug/Kg		11/29/2022 13:36
Trichloroethene	< 695	ug/Kg		11/29/2022 13:36

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-3 (18.5-19)

Lab Sample ID: 225566-04

Date Sampled: 11/16/2022 11:30

Matrix: Soil

Date Received 11/16/2022

Trichlorofluoromethane	< 695	ug/Kg	11/29/2022 13:36
Vinyl chloride	< 695	ug/Kg	11/29/2022 13:36

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	88.3	74.7 - 140		11/29/2022 13:36
4-Bromofluorobenzene	89.2	68 - 130		11/29/2022 13:36
Pentafluorobenzene	102	70.3 - 140		11/29/2022 13:36
Toluene-D8	104	69 - 138		11/29/2022 13:36

Method Reference(s): EPA 8260C
EPA 5035A -- H

Data File: z13735.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

Lab Project ID: 225566
Client: Day Engineering, P.C.
Project Reference: PC-5930S-22

Sample Identifier: TB-4 (3-4)

Lab Sample ID: 225566-05

Date Sampled: 11/16/2022 12:25

Matrix: Soil

Date Received 11/16/2022

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 3.65	ug/Kg		11/23/2022 20:23
1,1,2,2-Tetrachloroethane	< 3.65	ug/Kg		11/23/2022 20:23
1,1,2-Trichloroethane	< 3.65	ug/Kg		11/23/2022 20:23
1,1-Dichloroethane	< 3.65	ug/Kg		11/23/2022 20:23
1,1-Dichloroethene	< 3.65	ug/Kg		11/23/2022 20:23
1,2,3-Trichlorobenzene	< 9.13	ug/Kg		11/23/2022 20:23
1,2,4-Trichlorobenzene	< 9.13	ug/Kg		11/23/2022 20:23
1,2,4-Trimethylbenzene	< 3.65	ug/Kg		11/23/2022 20:23
1,2-Dibromo-3-Chloropropane	< 18.3	ug/Kg		11/23/2022 20:23
1,2-Dibromoethane	< 3.65	ug/Kg		11/23/2022 20:23
1,2-Dichlorobenzene	< 3.65	ug/Kg		11/23/2022 20:23
1,2-Dichloroethane	< 3.65	ug/Kg		11/23/2022 20:23
1,2-Dichloropropane	< 3.65	ug/Kg		11/23/2022 20:23
1,3,5-Trimethylbenzene	< 3.65	ug/Kg		11/23/2022 20:23
1,3-Dichlorobenzene	< 3.65	ug/Kg		11/23/2022 20:23
1,4-Dichlorobenzene	< 3.65	ug/Kg		11/23/2022 20:23
1,4-Dioxane	< 18.3	ug/Kg		11/23/2022 20:23
2-Butanone	< 18.3	ug/Kg		11/23/2022 20:23
2-Hexanone	< 9.13	ug/Kg		11/23/2022 20:23
4-Methyl-2-pentanone	< 9.13	ug/Kg		11/23/2022 20:23
Acetone	< 18.3	ug/Kg		11/23/2022 20:23
Benzene	< 3.65	ug/Kg		11/23/2022 20:23
Bromochloromethane	< 9.13	ug/Kg		11/23/2022 20:23
Bromodichloromethane	< 3.65	ug/Kg		11/23/2022 20:23
Bromoform	< 9.13	ug/Kg		11/23/2022 20:23
Bromomethane	< 3.65	ug/Kg		11/23/2022 20:23
Carbon disulfide	< 3.65	ug/Kg		11/23/2022 20:23
Carbon Tetrachloride	< 3.65	ug/Kg		11/23/2022 20:23

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Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-4 (3-4)

Lab Sample ID: 225566-05

Date Sampled: 11/16/2022 12:25

Matrix: Soil

Date Received 11/16/2022

Chlorobenzene	< 3.65	ug/Kg		11/23/2022 20:23
Chloroethane	< 3.65	ug/Kg		11/23/2022 20:23
Chloroform	< 3.65	ug/Kg		11/23/2022 20:23
Chloromethane	< 3.65	ug/Kg		11/23/2022 20:23
cis-1,2-Dichloroethene	< 3.65	ug/Kg		11/23/2022 20:23
cis-1,3-Dichloropropene	< 3.65	ug/Kg		11/23/2022 20:23
Cyclohexane	< 18.3	ug/Kg		11/23/2022 20:23
Dibromochloromethane	< 3.65	ug/Kg		11/23/2022 20:23
Dichlorodifluoromethane	< 3.65	ug/Kg		11/23/2022 20:23
Ethylbenzene	1.94	ug/Kg	J	11/23/2022 20:23
Freon 113	< 3.65	ug/Kg		11/23/2022 20:23
Isopropylbenzene	< 3.65	ug/Kg		11/23/2022 20:23
m,p-Xylene	4.30	ug/Kg		11/23/2022 20:23
Methyl acetate	< 3.65	ug/Kg		11/23/2022 20:23
Methyl tert-butyl Ether	< 3.65	ug/Kg		11/23/2022 20:23
Methylcyclohexane	< 3.65	ug/Kg		11/23/2022 20:23
Methylene chloride	< 9.13	ug/Kg		11/23/2022 20:23
Naphthalene	< 9.13	ug/Kg		11/23/2022 20:23
n-Butylbenzene	< 3.65	ug/Kg		11/23/2022 20:23
n-Propylbenzene	< 3.65	ug/Kg		11/23/2022 20:23
o-Xylene	< 3.65	ug/Kg		11/23/2022 20:23
p-Isopropyltoluene	< 3.65	ug/Kg		11/23/2022 20:23
sec-Butylbenzene	< 3.65	ug/Kg		11/23/2022 20:23
Styrene	< 9.13	ug/Kg		11/23/2022 20:23
tert-Butylbenzene	< 3.65	ug/Kg		11/23/2022 20:23
Tetrachloroethene	< 3.65	ug/Kg		11/23/2022 20:23
Toluene	< 3.65	ug/Kg		11/23/2022 20:23
trans-1,2-Dichloroethene	< 3.65	ug/Kg		11/23/2022 20:23
trans-1,3-Dichloropropene	< 3.65	ug/Kg		11/23/2022 20:23
Trichloroethene	< 3.65	ug/Kg		11/23/2022 20:23

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Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-4 (3-4)

Lab Sample ID: 225566-05

Date Sampled: 11/16/2022 12:25

Matrix: Soil

Date Received 11/16/2022

Trichlorofluoromethane	< 3.65	ug/Kg	11/23/2022 20:23
Vinyl chloride	< 3.65	ug/Kg	11/23/2022 20:23

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	86.6	74.7 - 140		11/23/2022 20:23
4-Bromofluorobenzene	84.0	68 - 130		11/23/2022 20:23
Pentafluorobenzene	106	70.3 - 140		11/23/2022 20:23
Toluene-D8	97.7	69 - 138		11/23/2022 20:23

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: z13689.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-4 (2-4)

Lab Sample ID: 225566-06

Date Sampled: 11/16/2022 12:25

Matrix: Soil

Date Received 11/16/2022

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	270	mg/Kg		11/22/2022 13:25
Method Reference(s):	EPA 6010C			
	EPA 3050B			
Preparation Date:	11/18/2022			
Data File:	221122B			

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 311	ug/Kg		11/21/2022 18:10
1,2,4,5-Tetrachlorobenzene	< 311	ug/Kg		11/21/2022 18:10
1,2,4-Trichlorobenzene	< 311	ug/Kg		11/21/2022 18:10
1,2-Dichlorobenzene	< 311	ug/Kg		11/21/2022 18:10
1,3-Dichlorobenzene	< 311	ug/Kg		11/21/2022 18:10
1,4-Dichlorobenzene	< 311	ug/Kg		11/21/2022 18:10
2,2-Oxybis (1-chloropropane)	< 311	ug/Kg		11/21/2022 18:10
2,3,4,6-Tetrachlorophenol	< 311	ug/Kg		11/21/2022 18:10
2,4,5-Trichlorophenol	< 311	ug/Kg		11/21/2022 18:10
2,4,6-Trichlorophenol	< 311	ug/Kg		11/21/2022 18:10
2,4-Dichlorophenol	< 311	ug/Kg		11/21/2022 18:10
2,4-Dimethylphenol	< 311	ug/Kg		11/21/2022 18:10
2,4-Dinitrophenol	< 1240	ug/Kg		11/21/2022 18:10
2,4-Dinitrotoluene	< 311	ug/Kg		11/21/2022 18:10
2,6-Dinitrotoluene	< 311	ug/Kg		11/21/2022 18:10
2-Chloronaphthalene	< 311	ug/Kg		11/21/2022 18:10
2-Chlorophenol	< 311	ug/Kg		11/21/2022 18:10
2-Methylnaphthalene	< 311	ug/Kg		11/21/2022 18:10
2-Methylphenol	< 311	ug/Kg		11/21/2022 18:10
2-Nitroaniline	< 311	ug/Kg		11/21/2022 18:10
2-Nitrophenol	< 311	ug/Kg		11/21/2022 18:10

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Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-4 (2-4)

Lab Sample ID: 225566-06

Date Sampled: 11/16/2022 12:25

Matrix: Soil

Date Received 11/16/2022

3&4-Methylphenol	< 311	ug/Kg	11/21/2022 18:10
3,3'-Dichlorobenzidine	< 311	ug/Kg	11/21/2022 18:10
3-Nitroaniline	< 311	ug/Kg	11/21/2022 18:10
4,6-Dinitro-2-methylphenol	< 621	ug/Kg	11/21/2022 18:10
4-Bromophenyl phenyl ether	< 311	ug/Kg	11/21/2022 18:10
4-Chloro-3-methylphenol	< 311	ug/Kg	11/21/2022 18:10
4-Chloroaniline	< 311	ug/Kg	11/21/2022 18:10
4-Chlorophenyl phenyl ether	< 311	ug/Kg	11/21/2022 18:10
4-Nitroaniline	< 311	ug/Kg	11/21/2022 18:10
4-Nitrophenol	< 311	ug/Kg	11/21/2022 18:10
Acenaphthene	< 311	ug/Kg	11/21/2022 18:10
Acenaphthylene	< 311	ug/Kg	11/21/2022 18:10
Acetophenone	< 311	ug/Kg	11/21/2022 18:10
Anthracene	< 311	ug/Kg	11/21/2022 18:10
Atrazine	< 311	ug/Kg	11/21/2022 18:10
Benzaldehyde	< 311	ug/Kg	11/21/2022 18:10
Benzo (a) anthracene	< 311	ug/Kg	11/21/2022 18:10
Benzo (a) pyrene	< 311	ug/Kg	11/21/2022 18:10
Benzo (b) fluoranthene	< 311	ug/Kg	11/21/2022 18:10
Benzo (g,h,i) perylene	< 311	ug/Kg	11/21/2022 18:10
Benzo (k) fluoranthene	< 311	ug/Kg	11/21/2022 18:10
Bis (2-chloroethoxy) methane	< 311	ug/Kg	11/21/2022 18:10
Bis (2-chloroethyl) ether	< 311	ug/Kg	11/21/2022 18:10
Bis (2-ethylhexyl) phthalate	< 311	ug/Kg	11/21/2022 18:10
Butylbenzylphthalate	< 311	ug/Kg	11/21/2022 18:10
Caprolactam	< 311	ug/Kg	11/21/2022 18:10
Carbazole	< 311	ug/Kg	11/21/2022 18:10
Chrysene	< 311	ug/Kg	11/21/2022 18:10
Dibenz (a,h) anthracene	< 311	ug/Kg	11/21/2022 18:10
Dibenzofuran	< 311	ug/Kg	11/21/2022 18:10

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Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-4 (2-4)

Lab Sample ID: 225566-06

Date Sampled: 11/16/2022 12:25

Matrix: Soil

Date Received 11/16/2022

Diethyl phthalate	< 311	ug/Kg		11/21/2022 18:10
Dimethyl phthalate	< 311	ug/Kg		11/21/2022 18:10
Di-n-butyl phthalate	< 311	ug/Kg		11/21/2022 18:10
Di-n-octylphthalate	< 311	ug/Kg		11/21/2022 18:10
Fluoranthene	204	ug/Kg	J	11/21/2022 18:10
Fluorene	< 311	ug/Kg		11/21/2022 18:10
Hexachlorobenzene	< 311	ug/Kg		11/21/2022 18:10
Hexachlorobutadiene	< 311	ug/Kg		11/21/2022 18:10
Hexachlorocyclopentadiene	< 1240	ug/Kg		11/21/2022 18:10
Hexachloroethane	< 311	ug/Kg		11/21/2022 18:10
Indeno (1,2,3-cd) pyrene	< 311	ug/Kg		11/21/2022 18:10
Isophorone	< 311	ug/Kg		11/21/2022 18:10
Naphthalene	< 311	ug/Kg		11/21/2022 18:10
Nitrobenzene	< 311	ug/Kg		11/21/2022 18:10
N-Nitroso-di-n-propylamine	< 311	ug/Kg		11/21/2022 18:10
N-Nitrosodiphenylamine	< 311	ug/Kg		11/21/2022 18:10
Pentachlorophenol	< 621	ug/Kg		11/21/2022 18:10
Phenanthrene	< 311	ug/Kg		11/21/2022 18:10
Phenol	< 311	ug/Kg		11/21/2022 18:10
Pyrene	172	ug/Kg	J	11/21/2022 18:10

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	55.8	35.4 - 92.4		11/21/2022 18:10
2-Fluorobiphenyl	65.4	39.6 - 84.4		11/21/2022 18:10
2-Fluorophenol	53.1	35.5 - 78.9		11/21/2022 18:10
Nitrobenzene-d5	61.8	36.5 - 78.2		11/21/2022 18:10
Phenol-d5	57.9	37.1 - 78.3		11/21/2022 18:10
Terphenyl-d14	64.0	42.3 - 103		11/21/2022 18:10

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 11/18/2022

Data File: B65117.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-6 (15.5-16)

Lab Sample ID: 225566-07

Date Sampled: 11/16/2022 13:36

Matrix: Soil

Date Received 11/16/2022

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.61	ug/Kg		11/23/2022 20:42
1,1,2,2-Tetrachloroethane	< 4.61	ug/Kg		11/23/2022 20:42
1,1,2-Trichloroethane	< 4.61	ug/Kg		11/23/2022 20:42
1,1-Dichloroethane	< 4.61	ug/Kg		11/23/2022 20:42
1,1-Dichloroethene	< 4.61	ug/Kg		11/23/2022 20:42
1,2,3-Trichlorobenzene	< 11.5	ug/Kg		11/23/2022 20:42
1,2,4-Trichlorobenzene	< 11.5	ug/Kg		11/23/2022 20:42
1,2,4-Trimethylbenzene	< 4.61	ug/Kg		11/23/2022 20:42
1,2-Dibromo-3-Chloropropane	< 23.1	ug/Kg		11/23/2022 20:42
1,2-Dibromoethane	< 4.61	ug/Kg		11/23/2022 20:42
1,2-Dichlorobenzene	< 4.61	ug/Kg		11/23/2022 20:42
1,2-Dichloroethane	< 4.61	ug/Kg		11/23/2022 20:42
1,2-Dichloropropane	< 4.61	ug/Kg		11/23/2022 20:42
1,3,5-Trimethylbenzene	< 4.61	ug/Kg		11/23/2022 20:42
1,3-Dichlorobenzene	< 4.61	ug/Kg		11/23/2022 20:42
1,4-Dichlorobenzene	< 4.61	ug/Kg		11/23/2022 20:42
1,4-Dioxane	< 23.1	ug/Kg		11/23/2022 20:42
2-Butanone	< 23.1	ug/Kg		11/23/2022 20:42
2-Hexanone	< 11.5	ug/Kg		11/23/2022 20:42
4-Methyl-2-pentanone	< 11.5	ug/Kg		11/23/2022 20:42
Acetone	< 23.1	ug/Kg		11/23/2022 20:42
Benzene	< 4.61	ug/Kg		11/23/2022 20:42
Bromochloromethane	< 11.5	ug/Kg		11/23/2022 20:42
Bromodichloromethane	< 4.61	ug/Kg		11/23/2022 20:42
Bromoform	< 11.5	ug/Kg		11/23/2022 20:42
Bromomethane	< 4.61	ug/Kg		11/23/2022 20:42
Carbon disulfide	< 4.61	ug/Kg		11/23/2022 20:42
Carbon Tetrachloride	< 4.61	ug/Kg		11/23/2022 20:42

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Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-6 (15.5-16)

Lab Sample ID: 225566-07

Date Sampled: 11/16/2022 13:36

Matrix: Soil

Date Received 11/16/2022

Chlorobenzene	< 4.61	ug/Kg	11/23/2022 20:42
Chloroethane	< 4.61	ug/Kg	11/23/2022 20:42
Chloroform	< 4.61	ug/Kg	11/23/2022 20:42
Chloromethane	< 4.61	ug/Kg	11/23/2022 20:42
cis-1,2-Dichloroethene	< 4.61	ug/Kg	11/23/2022 20:42
cis-1,3-Dichloropropene	< 4.61	ug/Kg	11/23/2022 20:42
Cyclohexane	< 23.1	ug/Kg	11/23/2022 20:42
Dibromochloromethane	< 4.61	ug/Kg	11/23/2022 20:42
Dichlorodifluoromethane	< 4.61	ug/Kg	11/23/2022 20:42
Ethylbenzene	< 4.61	ug/Kg	11/23/2022 20:42
Freon 113	< 4.61	ug/Kg	11/23/2022 20:42
Isopropylbenzene	< 4.61	ug/Kg	11/23/2022 20:42
m,p-Xylene	< 4.61	ug/Kg	11/23/2022 20:42
Methyl acetate	< 4.61	ug/Kg	11/23/2022 20:42
Methyl tert-butyl Ether	< 4.61	ug/Kg	11/23/2022 20:42
Methylcyclohexane	< 4.61	ug/Kg	11/23/2022 20:42
Methylene chloride	< 11.5	ug/Kg	11/23/2022 20:42
Naphthalene	< 11.5	ug/Kg	11/23/2022 20:42
n-Butylbenzene	8.61	ug/Kg	11/23/2022 20:42
n-Propylbenzene	< 4.61	ug/Kg	11/23/2022 20:42
o-Xylene	< 4.61	ug/Kg	11/23/2022 20:42
p-Isopropyltoluene	< 4.61	ug/Kg	11/23/2022 20:42
sec-Butylbenzene	< 4.61	ug/Kg	11/23/2022 20:42
Styrene	< 11.5	ug/Kg	11/23/2022 20:42
tert-Butylbenzene	< 4.61	ug/Kg	11/23/2022 20:42
Tetrachloroethene	< 4.61	ug/Kg	11/23/2022 20:42
Toluene	< 4.61	ug/Kg	11/23/2022 20:42
trans-1,2-Dichloroethene	< 4.61	ug/Kg	11/23/2022 20:42
trans-1,3-Dichloropropene	< 4.61	ug/Kg	11/23/2022 20:42
Trichloroethene	< 4.61	ug/Kg	11/23/2022 20:42

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Lab Project ID: 225566

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Sample Identifier: TB-6 (15.5-16)

Lab Sample ID: 225566-07

Date Sampled: 11/16/2022 13:36

Matrix: Soil

Date Received 11/16/2022

Trichlorofluoromethane	< 4.61	ug/Kg	11/23/2022 20:42
Vinyl chloride	< 4.61	ug/Kg	11/23/2022 20:42

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	89.4	74.7 - 140		11/23/2022 20:42
4-Bromofluorobenzene	91.8	68 - 130		11/23/2022 20:42
Pentafluorobenzene	108	70.3 - 140		11/23/2022 20:42
Toluene-D8	104	69 - 138		11/23/2022 20:42

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: z13690.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 0566-01
Matrix: Soil

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	<0.00797	mg/Kg		11/22/2022 13:53

Method Reference(s): EPA 7471B
Preparation Date: 11/21/2022
Data File: Hg221122B
QC Batch ID: QC221121HgSoil
QC Number: Blk 1



PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample and Control Sample Duplicate

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Lab Project ID: 225566

SDG #: 5566-01

Matrix: Soil

Mercury

Analyte	LCS	Added	LCSD	Added	Spike	Units	Result	LCSD	Result	Recovery	LCSD %	Recovery	LCSD %	% Rec	Limits	Outliers	Outliers	Relative %	RPD	Limit	Outliers	RPD	Date
Mercury	0.0786	0.0690			mg/Kg		0.0905	0.0781		115		113		80 - 120				1.57		20			11/22/2022
Method Reference(s): EPA 7471B																							
Preparation Date: 11/21/2022																							
Data File: Hg221122B																							
QC Number: 1																							
QC Batch ID: QC221121HgSoil																							

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

RCRA Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>	
Arsenic	<0.490	mg/Kg		11/22/2022	12:16
Barium	<4.90	mg/Kg		11/22/2022	12:16
Cadmium	<0.245	mg/Kg		11/22/2022	12:16
Chromium	<0.490	mg/Kg		11/22/2022	12:16
Lead	<0.490	mg/Kg		11/22/2022	12:16
Selenium	<0.980	mg/Kg		11/22/2022	12:16
Silver	<0.490	mg/Kg		11/22/2022	12:16

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 11/18/2022
Data File: 221122B
QC Batch ID: QC221118sOIL
QC Number: Blk 1



QC Report for Laboratory Control Sample and Control Sample Duplicate

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Lab Project ID: 225566

SDG #: 5566-01

Matrix: Soil

Part 375 Metals (ICP)

Analyte	LCS Added	LCSD Added	Spike Units	LCS Result	LCSD Result	LCS % Recovery	LCSD % Recovery	% Rec Limits	LCS Outliers	LCSD Outliers	Relative % Difference	RPD Limit	RPD Outliers	Date Analyzed
Arsenic	120	123	mg/Kg	122	122	102	99.2	80 - 120			2.57	20		11/22/2022
Barium	120	123	mg/Kg	132	134	110	109	80 - 120			0.599	20		11/22/2022
Cadmium	48.1	49.0	mg/Kg	53.1	53.6	110	109	80 - 120			0.978	20		11/22/2022
Chromium	120	123	mg/Kg	126	128	105	104	80 - 120			0.676	20		11/22/2022
Lead	120	123	mg/Kg	131	131	109	107	80 - 120			2.30	20		11/22/2022
Selenium	120	123	mg/Kg	122	121	101	98.8	80 - 120			2.55	20		11/22/2022
Silver	12.0	12.3	mg/Kg	12.2	12.3	101	100	80 - 120			1.03	20		11/22/2022

Method Reference(s):

EPA 6010C
EPA 3050B

Preparation Date: 11/18/2022

Data File: 221122B

QC Number: 1

QC Batch ID: QC221118s01L

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

PCBs

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>	
PCB-1016	<0.0272	mg/Kg		11/28/2022	14:36
PCB-1221	<0.0272	mg/Kg		11/28/2022	14:36
PCB-1232	<0.0272	mg/Kg		11/28/2022	14:36
PCB-1242	<0.0272	mg/Kg		11/28/2022	14:36
PCB-1248	<0.0272	mg/Kg		11/28/2022	14:36
PCB-1254	<0.0272	mg/Kg		11/28/2022	14:36
PCB-1260	<0.0272	mg/Kg		11/28/2022	14:36
PCB-1262	<0.0272	mg/Kg		11/28/2022	14:36
PCB-1268	<0.0272	mg/Kg		11/28/2022	14:36

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
Tetrachloro-m-xylene	73.0	12.7 - 101		11/28/2022	14:36
Method Reference(s): EPA 8082A EPA 3546 Preparation Date: 11/21/2022 QC Batch ID: QC221121PCBS2 QC Number: BlkC 1					



PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Lab Project ID: 225566

SDG #: 5566-01

Matrix: Soil

PCBs

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
PCB-1016/1260	0.140	mg/Kg	0.109	77.9	10 - 102		11/28/2022
Method Reference(s): EPA 8082A EPA 3546							
Preparation Date: 11/21/2022							
QC Number: LCSC 1							
QC Batch ID: QC221121PCBS2							

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

PCBs

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>	
PCB-1016	<0.0281	mg/Kg		11/22/2022	21:58
PCB-1221	<0.0281	mg/Kg		11/22/2022	21:58
PCB-1232	<0.0281	mg/Kg		11/22/2022	21:58
PCB-1242	<0.0281	mg/Kg		11/22/2022	21:58
PCB-1248	<0.0281	mg/Kg		11/22/2022	21:58
PCB-1254	<0.0281	mg/Kg		11/22/2022	21:58
PCB-1260	<0.0281	mg/Kg		11/22/2022	21:58
PCB-1262	<0.0281	mg/Kg		11/22/2022	21:58
PCB-1268	<0.0281	mg/Kg		11/22/2022	21:58

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
Tetrachloro-m-xylene	52.3	12.7 - 101		11/22/2022	21:58
Method Reference(s): EPA 8082A EPA 3546					
Preparation Date: 11/22/2022					
QC Batch ID: QC221122PCBS					
QC Number: Blk 1					



QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

PCBs

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
PCB-1016/1260	0.141	mg/Kg	0.0781	55.3	10 - 102		11/22/2022
Method Reference(s): EPA 8082A EPA 3546							
Preparation Date: 11/22/2022							
QC Number: LCS 1							
QC Batch ID: QC221122PCBS							

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Semi-Volatile Organics (Acid/Base Neutrals)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1-Biphenyl	<255	ug/Kg		11/21/2022 16:43
1,2,4,5-Tetrachlorobenzene	<255	ug/Kg		11/21/2022 16:43
1,2,4-Trichlorobenzene	<255	ug/Kg		11/21/2022 16:43
1,2-Dichlorobenzene	<255	ug/Kg		11/21/2022 16:43
1,3-Dichlorobenzene	<255	ug/Kg		11/21/2022 16:43
1,4-Dichlorobenzene	<255	ug/Kg		11/21/2022 16:43
2,2-Oxybis (1-chloropropane)	<255	ug/Kg		11/21/2022 16:43
2,3,4,6-Tetrachlorophenol	<255	ug/Kg		11/21/2022 16:43
2,4,5-Trichlorophenol	<255	ug/Kg		11/21/2022 16:43
2,4,6-Trichlorophenol	<255	ug/Kg		11/21/2022 16:43
2,4-Dichlorophenol	<255	ug/Kg		11/21/2022 16:43
2,4-Dimethylphenol	<255	ug/Kg		11/21/2022 16:43
2,4-Dinitrophenol	<1020	ug/Kg		11/21/2022 16:43
2,4-Dinitrotoluene	<255	ug/Kg		11/21/2022 16:43
2,6-Dinitrotoluene	<255	ug/Kg		11/21/2022 16:43
2-Chloronaphthalene	<255	ug/Kg		11/21/2022 16:43
2-Chlorophenol	<255	ug/Kg		11/21/2022 16:43
2-Methylnapthalene	<255	ug/Kg		11/21/2022 16:43
2-Methylphenol	<255	ug/Kg		11/21/2022 16:43
2-Nitroaniline	<255	ug/Kg		11/21/2022 16:43
2-Nitrophenol	<255	ug/Kg		11/21/2022 16:43
3&4-Methylphenol	<255	ug/Kg		11/21/2022 16:43
3,3'-Dichlorobenzidine	<255	ug/Kg		11/21/2022 16:43
3-Nitroaniline	<255	ug/Kg		11/21/2022 16:43
4,6-Dinitro-2-methylphenol	<510	ug/Kg		11/21/2022 16:43
4-Bromophenyl phenyl ether	<255	ug/Kg		11/21/2022 16:43
4-Chloro-3-methylphenol	<255	ug/Kg		11/21/2022 16:43

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Semi-Volatile Organics (Acid/Base Neutrals)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
4-Chloroaniline	<255	ug/Kg		11/21/2022 16:43
4-Chlorophenyl phenyl ether	<255	ug/Kg		11/21/2022 16:43
4-Nitroaniline	<255	ug/Kg		11/21/2022 16:43
4-Nitrophenol	<255	ug/Kg		11/21/2022 16:43
Acenaphthene	<255	ug/Kg		11/21/2022 16:43
Acenaphthylene	<255	ug/Kg		11/21/2022 16:43
Acetophenone	<255	ug/Kg		11/21/2022 16:43
Anthracene	<255	ug/Kg		11/21/2022 16:43
Atrazine	<255	ug/Kg		11/21/2022 16:43
Benzaldehyde	<255	ug/Kg		11/21/2022 16:43
Benzo (a) anthracene	<255	ug/Kg		11/21/2022 16:43
Benzo (a) pyrene	<255	ug/Kg		11/21/2022 16:43
Benzo (b) fluoranthene	<255	ug/Kg		11/21/2022 16:43
Benzo (g,h,i) perylene	<255	ug/Kg		11/21/2022 16:43
Benzo (k) fluoranthene	<255	ug/Kg		11/21/2022 16:43
Bis (2-chloroethoxy) methane	<255	ug/Kg		11/21/2022 16:43
Bis (2-chloroethyl) ether	<255	ug/Kg		11/21/2022 16:43
Bis (2-ethylhexyl) phthalate	<255	ug/Kg		11/21/2022 16:43
Butylbenzylphthalate	<255	ug/Kg		11/21/2022 16:43
Caprolactam	<255	ug/Kg		11/21/2022 16:43
Carbazole	<255	ug/Kg		11/21/2022 16:43
Chrysene	<255	ug/Kg		11/21/2022 16:43
Dibenz (a,h) anthracene	<255	ug/Kg		11/21/2022 16:43
Dibenzofuran	<255	ug/Kg		11/21/2022 16:43
Diethyl phthalate	<255	ug/Kg		11/21/2022 16:43
Dimethyl phthalate	<255	ug/Kg		11/21/2022 16:43
Di-n-butyl phthalate	<255	ug/Kg		11/21/2022 16:43
Di-n-octylphthalate	<255	ug/Kg		11/21/2022 16:43

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
Fluoranthene	<255	ug/Kg		11/21/2022 16:43
Fluorene	<255	ug/Kg		11/21/2022 16:43
Hexachlorobenzene	<255	ug/Kg		11/21/2022 16:43
Hexachlorobutadiene	<255	ug/Kg		11/21/2022 16:43
Hexachlorocyclopentadiene	<1020	ug/Kg		11/21/2022 16:43
Hexachloroethane	<255	ug/Kg		11/21/2022 16:43
Indeno (1,2,3-cd) pyrene	<255	ug/Kg		11/21/2022 16:43
Isophorone	<255	ug/Kg		11/21/2022 16:43
Naphthalene	<255	ug/Kg		11/21/2022 16:43
Nitrobenzene	<255	ug/Kg		11/21/2022 16:43
N-Nitroso-di-n-propylamine	<255	ug/Kg		11/21/2022 16:43
N-Nitrosodiphenylamine	<255	ug/Kg		11/21/2022 16:43
Pentachlorophenol	<510	ug/Kg		11/21/2022 16:43
Phenanthrene	<255	ug/Kg		11/21/2022 16:43
Phenol	<255	ug/Kg		11/21/2022 16:43
Pyrene	<255	ug/Kg		11/21/2022 16:43

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	62.6	35.4 - 92.4		11/21/2022 16:43
2-Fluorobiphenyl	68.7	39.6 - 84.4		11/21/2022 16:43
2-Fluorophenol	58.1	35.5 - 78.9		11/21/2022 16:43
Nitrobenzene-d5	65.9	36.5 - 78.2		11/21/2022 16:43
Phenol-d5	63.1	37.1 - 78.3		11/21/2022 16:43
Terphenyl-d14	75.2	42.3 - 103		11/21/2022 16:43

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 11/18/2022
Data File: B65114.D
QC Batch ID: QC221118ABNS
QC Number: Blk 1

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QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
1,2,4-Trichlorobenzene	2670	ug/Kg	1850	69.0	36.4 - 88		11/21/2022
1,4-Dichlorobenzene	2670	ug/Kg	1670	62.3	34.3 - 78.9		11/21/2022
2,3,4,6-Tetrachlorophenol	4010	ug/Kg	3110	77.5	46.4 - 92.2		11/21/2022
2,4,6-Trichlorophenol	4010	ug/Kg	3310	82.5	52.9 - 95.9		11/21/2022
2,4-Dichlorophenol	4010	ug/Kg	3160	78.7	51.6 - 88.4		11/21/2022
2,4-Dimethylphenol	4010	ug/Kg	3430	85.6	31.6 - 87.8		11/21/2022
2,4-Dinitrophenol	4010	ug/Kg	1420	35.4	8.16 - 97		11/21/2022
2,4-Dinitrotoluene	2670	ug/Kg	2040	76.4	40.2 - 99.7		11/21/2022
2-Chlorophenol	4010	ug/Kg	2910	72.6	49.5 - 80.8		11/21/2022
2-Nitrophenol	4010	ug/Kg	2880	71.8	48.3 - 82.6		11/21/2022
4,6-Dinitro-2-methylphenol	4010	ug/Kg	2740	68.2	27.6 - 96.5		11/21/2022
4-Chloro-3-methylphenol	4010	ug/Kg	3080	76.9	52.2 - 87.8		11/21/2022
4-Nitrophenol	4010	ug/Kg	3380	84.3	23.3 - 102		11/21/2022
Acenaphthene	2670	ug/Kg	1970	73.6	43.5 - 87.2		11/21/2022
N-Nitroso-di-n-propylamine	2670	ug/Kg	1880	70.5	32.6 - 89.2		11/21/2022
Pentachlorophenol	4010	ug/Kg	2980	74.3	41.8 - 107		11/21/2022

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
Phenol	4010	ug/Kg	2990	74.7	48.8 - 79.3		11/21/2022
Pyrene	2670	ug/Kg	2160	80.7	47.1 - 104		11/21/2022
Method Reference(s): EPA 8270D EPA 3546							
Preparation Date: 11/18/2022							
Data File: B65115.D							
QC Number: LCS 1							
QC Batch ID: QC221118ABNS							

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1,1-Trichloroethane	<2.00	ug/Kg		11/23/2022 11:38
1,1,2,2-Tetrachloroethane	<2.00	ug/Kg		11/23/2022 11:38
1,1,2-Trichloroethane	<2.00	ug/Kg		11/23/2022 11:38
1,1-Dichloroethane	<2.00	ug/Kg		11/23/2022 11:38
1,1-Dichloroethene	<2.00	ug/Kg		11/23/2022 11:38
1,2,3-Trichlorobenzene	<5.00	ug/Kg		11/23/2022 11:38
1,2,4-Trichlorobenzene	<5.00	ug/Kg		11/23/2022 11:38
1,2,4-Trimethylbenzene	<2.00	ug/Kg		11/23/2022 11:38
1,2-Dibromo-3-Chloropropane	<10.0	ug/Kg		11/23/2022 11:38
1,2-Dibromoethane	<2.00	ug/Kg		11/23/2022 11:38
1,2-Dichlorobenzene	<2.00	ug/Kg		11/23/2022 11:38
1,2-Dichloroethane	<2.00	ug/Kg		11/23/2022 11:38
1,2-Dichloropropane	<2.00	ug/Kg		11/23/2022 11:38
1,3,5-Trimethylbenzene	<2.00	ug/Kg		11/23/2022 11:38
1,3-Dichlorobenzene	<2.00	ug/Kg		11/23/2022 11:38
1,4-Dichlorobenzene	<2.00	ug/Kg		11/23/2022 11:38
1,4-Dioxane	<10.0	ug/Kg		11/23/2022 11:38
2-Butanone	<10.0	ug/Kg		11/23/2022 11:38
2-Hexanone	<5.00	ug/Kg		11/23/2022 11:38
4-Methyl-2-pentanone	<5.00	ug/Kg		11/23/2022 11:38
Acetone	<10.0	ug/Kg		11/23/2022 11:38
Benzene	<2.00	ug/Kg		11/23/2022 11:38
Bromochloromethane	<5.00	ug/Kg		11/23/2022 11:38
Bromodichloromethane	<2.00	ug/Kg		11/23/2022 11:38
Bromoform	<5.00	ug/Kg		11/23/2022 11:38
Bromomethane	<2.00	ug/Kg		11/23/2022 11:38
Carbon disulfide	<2.00	ug/Kg		11/23/2022 11:38

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Carbon Tetrachloride	<2.00	ug/Kg		11/23/2022 11:38
Chlorobenzene	<2.00	ug/Kg		11/23/2022 11:38
Chloroethane	<2.00	ug/Kg		11/23/2022 11:38
Chloroform	<2.00	ug/Kg		11/23/2022 11:38
Chloromethane	<2.00	ug/Kg		11/23/2022 11:38
cis-1,2-Dichloroethene	<2.00	ug/Kg		11/23/2022 11:38
cis-1,3-Dichloropropene	<2.00	ug/Kg		11/23/2022 11:38
Cyclohexane	<10.0	ug/Kg		11/23/2022 11:38
Dibromochloromethane	<2.00	ug/Kg		11/23/2022 11:38
Dichlorodifluoromethane	<2.00	ug/Kg		11/23/2022 11:38
Ethylbenzene	<2.00	ug/Kg		11/23/2022 11:38
Freon 113	<2.00	ug/Kg		11/23/2022 11:38
Isopropylbenzene	<2.00	ug/Kg		11/23/2022 11:38
m,p-Xylene	<2.00	ug/Kg		11/23/2022 11:38
Methyl acetate	<2.00	ug/Kg		11/23/2022 11:38
Methyl tert-butyl Ether	<2.00	ug/Kg		11/23/2022 11:38
Methylcyclohexane	<2.00	ug/Kg		11/23/2022 11:38
Methylene chloride	<5.00	ug/Kg		11/23/2022 11:38
Naphthalene	<5.00	ug/Kg		11/23/2022 11:38
n-Butylbenzene	<2.00	ug/Kg		11/23/2022 11:38
n-Propylbenzene	<2.00	ug/Kg		11/23/2022 11:38
o-Xylene	<2.00	ug/Kg		11/23/2022 11:38
p-Isopropyltoluene	<2.00	ug/Kg		11/23/2022 11:38
sec-Butylbenzene	<2.00	ug/Kg		11/23/2022 11:38
Styrene	<5.00	ug/Kg		11/23/2022 11:38
tert-Butylbenzene	<2.00	ug/Kg		11/23/2022 11:38
Tetrachloroethene	<2.00	ug/Kg		11/23/2022 11:38
Toluene	<2.00	ug/Kg		11/23/2022 11:38

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>	
trans-1,2-Dichloroethene	<2.00	ug/Kg		11/23/2022	11:38
trans-1,3-Dichloropropene	<2.00	ug/Kg		11/23/2022	11:38
Trichloroethene	<2.00	ug/Kg		11/23/2022	11:38
Trichlorofluoromethane	<2.00	ug/Kg		11/23/2022	11:38
Vinyl chloride	<2.00	ug/Kg		11/23/2022	11:38

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
1,2-Dichloroethane-d4	95.7	74.7 - 140		11/23/2022	11:38
4-Bromofluorobenzene	94.5	68 - 130		11/23/2022	11:38
Pentafluorobenzene	101	70.3 - 140		11/23/2022	11:38
Toluene-D8	102	69 - 138		11/23/2022	11:38

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: z13663.D
QC Batch ID: voas221123
QC Number: Blk 1



QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Lab Project ID: 225566

SDG #: 5566-01

Matrix: Soil

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	%Rec Limits	LCS Outliers	Date Analyzed
1,1,1-Trichloroethane	20.0	ug/Kg	17.1	85.4	70.9 - 135		11/23/2022
1,1,2,2-Tetrachloroethane	20.0	ug/Kg	17.6	88.0	31.6 - 154		11/23/2022
1,1,2-Trichloroethane	20.0	ug/Kg	17.7	88.3	62 - 132		11/23/2022
1,1-Dichloroethane	20.0	ug/Kg	18.0	89.9	73 - 128		11/23/2022
1,1-Dichloroethene	20.0	ug/Kg	17.5	87.4	61.7 - 119		11/23/2022
1,2-Dichlorobenzene	20.0	ug/Kg	18.4	92.1	61 - 118		11/23/2022
1,2-Dichloroethane	20.0	ug/Kg	16.7	83.3	73.4 - 123		11/23/2022
1,3-Dichlorobenzene	20.0	ug/Kg	18.0	90.2	71.3 - 123		11/23/2022
1,4-Dichlorobenzene	20.0	ug/Kg	18.4	92.0	68.7 - 112		11/23/2022
Benzene	20.0	ug/Kg	18.2	91.2	77.8 - 119		11/23/2022
Bromodichloromethane	20.0	ug/Kg	17.2	86.2	65.7 - 125		11/23/2022
Bromoform	20.0	ug/Kg	18.0	90.2	54.7 - 130		11/23/2022
Bromomethane	20.0	ug/Kg	17.3	86.3	44.6 - 167		11/23/2022
Carbon Tetrachloride	20.0	ug/Kg	16.6	82.9	61.8 - 138		11/23/2022
Chlorobenzene	20.0	ug/Kg	18.4	91.9	77.2 - 108		11/23/2022

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.

Project Reference: PC-5930S-22

Lab Project ID: 225566

SDG #: 5566-01

Matrix: Soil

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	%Rec Limits	LCS Outliers	Date Analyzed
Chloroethane	20.0	ug/Kg	18.4	91.8	55.5 - 151		11/23/2022
Chloroform	20.0	ug/Kg	18.0	89.9	70.1 - 134		11/23/2022
Chloromethane	20.0	ug/Kg	16.3	81.4	42.4 - 168		11/23/2022
cis-1,3-Dichloropropene	20.0	ug/Kg	17.8	89.0	66.7 - 122		11/23/2022
Dibromochloromethane	20.0	ug/Kg	17.6	88.1	61.2 - 130		11/23/2022
Ethylbenzene	20.0	ug/Kg	17.8	89.2	71.6 - 112		11/23/2022
Methylene chloride	20.0	ug/Kg	17.7	88.5	38.2 - 155		11/23/2022
Tetrachloroethene	20.0	ug/Kg	18.3	91.7	61.4 - 137		11/23/2022
Toluene	20.0	ug/Kg	18.2	91.0	71.1 - 124		11/23/2022
trans-1,2-Dichloroethene	20.0	ug/Kg	17.9	89.7	67.3 - 127		11/23/2022
trans-1,3-Dichloropropene	20.0	ug/Kg	17.0	85.1	55 - 126		11/23/2022
Trichloroethene	20.0	ug/Kg	18.1	90.5	69.3 - 128		11/23/2022
Trichlorofluoromethane	20.0	ug/Kg	17.1	85.7	64 - 140		11/23/2022
Vinyl chloride	20.0	ug/Kg	16.7	83.4	51.2 - 160		11/23/2022

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QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Volatile Organics

Analyte	Method Reference(s):	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
	EPA 8260C							
	EPA 5035A - L							
	Data File:							
	z13662.D							
	QC Number:							
	LCS 1							
	QC Batch ID:							
	voas221123							

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1,1-Trichloroethane	<2.00	ug/Kg		11/29/2022 13:17
1,1,2,2-Tetrachloroethane	<2.00	ug/Kg		11/29/2022 13:17
1,1,2-Trichloroethane	<2.00	ug/Kg		11/29/2022 13:17
1,1-Dichloroethane	<2.00	ug/Kg		11/29/2022 13:17
1,1-Dichloroethene	<2.00	ug/Kg		11/29/2022 13:17
1,2,3-Trichlorobenzene	<5.00	ug/Kg		11/29/2022 13:17
1,2,4-Trichlorobenzene	<5.00	ug/Kg		11/29/2022 13:17
1,2,4-Trimethylbenzene	<2.00	ug/Kg		11/29/2022 13:17
1,2-Dibromo-3-Chloropropane	<10.0	ug/Kg		11/29/2022 13:17
1,2-Dibromoethane	<2.00	ug/Kg		11/29/2022 13:17
1,2-Dichlorobenzene	<2.00	ug/Kg		11/29/2022 13:17
1,2-Dichloroethane	<2.00	ug/Kg		11/29/2022 13:17
1,2-Dichloropropane	<2.00	ug/Kg		11/29/2022 13:17
1,3,5-Trimethylbenzene	<2.00	ug/Kg		11/29/2022 13:17
1,3-Dichlorobenzene	<2.00	ug/Kg		11/29/2022 13:17
1,4-Dichlorobenzene	<2.00	ug/Kg		11/29/2022 13:17
1,4-Dioxane	<10.0	ug/Kg		11/29/2022 13:17
2-Butanone	<10.0	ug/Kg		11/29/2022 13:17
2-Hexanone	<5.00	ug/Kg		11/29/2022 13:17
4-Methyl-2-pentanone	<5.00	ug/Kg		11/29/2022 13:17
Acetone	<10.0	ug/Kg		11/29/2022 13:17
Benzene	<1.00	ug/Kg		11/29/2022 13:17
Bromochloromethane	<5.00	ug/Kg		11/29/2022 13:17
Bromodichloromethane	<2.00	ug/Kg		11/29/2022 13:17
Bromoform	<5.00	ug/Kg		11/29/2022 13:17
Bromomethane	<2.00	ug/Kg		11/29/2022 13:17
Carbon disulfide	<2.00	ug/Kg		11/29/2022 13:17

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Carbon Tetrachloride	<2.00	ug/Kg		11/29/2022 13:17
Chlorobenzene	<2.00	ug/Kg		11/29/2022 13:17
Chloroethane	<2.00	ug/Kg		11/29/2022 13:17
Chloroform	<2.00	ug/Kg		11/29/2022 13:17
Chloromethane	<2.00	ug/Kg		11/29/2022 13:17
cis-1,2-Dichloroethene	<2.00	ug/Kg		11/29/2022 13:17
cis-1,3-Dichloropropene	<2.00	ug/Kg		11/29/2022 13:17
Cyclohexane	<10.0	ug/Kg		11/29/2022 13:17
Dibromochloromethane	<2.00	ug/Kg		11/29/2022 13:17
Dichlorodifluoromethane	<2.00	ug/Kg		11/29/2022 13:17
Ethylbenzene	<2.00	ug/Kg		11/29/2022 13:17
Freon 113	<2.00	ug/Kg		11/29/2022 13:17
Isopropylbenzene	<2.00	ug/Kg		11/29/2022 13:17
m,p-Xylene	<2.00	ug/Kg		11/29/2022 13:17
Methyl acetate	<2.00	ug/Kg		11/29/2022 13:17
Methyl tert-butyl Ether	<2.00	ug/Kg		11/29/2022 13:17
Methylcyclohexane	<2.00	ug/Kg		11/29/2022 13:17
Methylene chloride	<5.00	ug/Kg		11/29/2022 13:17
Naphthalene	<5.00	ug/Kg		11/29/2022 13:17
n-Butylbenzene	<2.00	ug/Kg		11/29/2022 13:17
n-Propylbenzene	<2.00	ug/Kg		11/29/2022 13:17
o-Xylene	<2.00	ug/Kg		11/29/2022 13:17
p-Isopropyltoluene	<2.00	ug/Kg		11/29/2022 13:17
sec-Butylbenzene	<2.00	ug/Kg		11/29/2022 13:17
Styrene	<5.00	ug/Kg		11/29/2022 13:17
tert-Butylbenzene	<2.00	ug/Kg		11/29/2022 13:17
Tetrachloroethene	<2.00	ug/Kg		11/29/2022 13:17
Toluene	<2.00	ug/Kg		11/29/2022 13:17

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>	
trans-1,2-Dichloroethene	<2.00	ug/Kg		11/29/2022	13:17
trans-1,3-Dichloropropene	<2.00	ug/Kg		11/29/2022	13:17
Trichloroethene	<2.00	ug/Kg		11/29/2022	13:17
Trichlorofluoromethane	<2.00	ug/Kg		11/29/2022	13:17
Vinyl chloride	<2.00	ug/Kg		11/29/2022	13:17

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
1,2-Dichloroethane-d4	90.0	81.1 - 136		11/29/2022	13:17
4-Bromofluorobenzene	94.6	75.8 - 132		11/29/2022	13:17
Pentafluorobenzene	104	82 - 132		11/29/2022	13:17
Toluene-D8	105	64.6 - 137		11/29/2022	13:17

Method Reference(s): EPA 8260C
EPA 5035A -- H
Data File: z13734.D
QC Batch ID: voaq221129
QC Number: Blk 1



Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1,1-Trichloroethane	<1000	ug/Kg		11/29/2022 19:08
1,1,2,2-Tetrachloroethane	<1000	ug/Kg		11/29/2022 19:08
1,1,2-Trichloroethane	<1000	ug/Kg		11/29/2022 19:08
1,1-Dichloroethane	<1000	ug/Kg		11/29/2022 19:08
1,1-Dichloroethene	<1000	ug/Kg		11/29/2022 19:08
1,2,3-Trichlorobenzene	<2500	ug/Kg		11/29/2022 19:08
1,2,4-Trichlorobenzene	<2500	ug/Kg		11/29/2022 19:08
1,2,4-Trimethylbenzene	<1000	ug/Kg		11/29/2022 19:08
1,2-Dibromo-3-Chloropropane	<5000	ug/Kg		11/29/2022 19:08
1,2-Dibromoethane	<1000	ug/Kg		11/29/2022 19:08
1,2-Dichlorobenzene	<1000	ug/Kg		11/29/2022 19:08
1,2-Dichloroethane	<1000	ug/Kg		11/29/2022 19:08
1,2-Dichloropropane	<1000	ug/Kg		11/29/2022 19:08
1,3,5-Trimethylbenzene	<1000	ug/Kg		11/29/2022 19:08
1,3-Dichlorobenzene	<1000	ug/Kg		11/29/2022 19:08
1,4-Dichlorobenzene	<1000	ug/Kg		11/29/2022 19:08
1,4-Dioxane	<5000	ug/Kg		11/29/2022 19:08
2-Butanone	<5000	ug/Kg		11/29/2022 19:08
2-Hexanone	<2500	ug/Kg		11/29/2022 19:08
4-Methyl-2-pentanone	<2500	ug/Kg		11/29/2022 19:08
Acetone	<5000	ug/Kg		11/29/2022 19:08
Benzene	<500	ug/Kg		11/29/2022 19:08
Bromochloromethane	<2500	ug/Kg		11/29/2022 19:08
Bromodichloromethane	<1000	ug/Kg		11/29/2022 19:08
Bromoform	<2500	ug/Kg		11/29/2022 19:08
Bromomethane	<1000	ug/Kg		11/29/2022 19:08
Carbon disulfide	<1000	ug/Kg		11/29/2022 19:08
Carbon Tetrachloride	<1000	ug/Kg		11/29/2022 19:08

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Chlorobenzene	<1000	ug/Kg		11/29/2022 19:08
Chloroethane	<1000	ug/Kg		11/29/2022 19:08
Chloroform	<1000	ug/Kg		11/29/2022 19:08
Chloromethane	<1000	ug/Kg		11/29/2022 19:08
cis-1,2-Dichloroethene	<1000	ug/Kg		11/29/2022 19:08
cis-1,3-Dichloropropene	<1000	ug/Kg		11/29/2022 19:08
Cyclohexane	<5000	ug/Kg		11/29/2022 19:08
Dibromochloromethane	<1000	ug/Kg		11/29/2022 19:08
Dichlorodifluoromethane	<1000	ug/Kg		11/29/2022 19:08
Ethylbenzene	<1000	ug/Kg		11/29/2022 19:08
Freon 113	<1000	ug/Kg		11/29/2022 19:08
Isopropylbenzene	<1000	ug/Kg		11/29/2022 19:08
m,p-Xylene	<1000	ug/Kg		11/29/2022 19:08
Methyl acetate	<1000	ug/Kg		11/29/2022 19:08
Methyl tert-butyl Ether	<1000	ug/Kg		11/29/2022 19:08
Methylcyclohexane	<1000	ug/Kg		11/29/2022 19:08
Methylene chloride	<2500	ug/Kg		11/29/2022 19:08
Naphthalene	<2500	ug/Kg		11/29/2022 19:08
n-Butylbenzene	<1000	ug/Kg		11/29/2022 19:08
n-Propylbenzene	<1000	ug/Kg		11/29/2022 19:08
o-Xylene	<1000	ug/Kg		11/29/2022 19:08
p-Isopropyltoluene	<1000	ug/Kg		11/29/2022 19:08
sec-Butylbenzene	<1000	ug/Kg		11/29/2022 19:08
Styrene	<2500	ug/Kg		11/29/2022 19:08
tert-Butylbenzene	<1000	ug/Kg		11/29/2022 19:08
Tetrachloroethene	<1000	ug/Kg		11/29/2022 19:08
Toluene	<1000	ug/Kg		11/29/2022 19:08
trans-1,2-Dichloroethene	<1000	ug/Kg		11/29/2022 19:08

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>	
trans-1,3-Dichloropropene	<1000	ug/Kg		11/29/2022	19:08
Trichloroethene	<1000	ug/Kg		11/29/2022	19:08
Trichlorofluoromethane	<1000	ug/Kg		11/29/2022	19:08
Vinyl chloride	<1000	ug/Kg		11/29/2022	19:08

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
1,2-Dichloroethane-d4	88.7	81.1 - 136		11/29/2022	19:08
4-Bromofluorobenzene	87.9	75.8 - 132		11/29/2022	19:08
Pentafluorobenzene	103	82 - 132		11/29/2022	19:08
Toluene-D8	103	64.6 - 137		11/29/2022	19:08

Method Reference(s): EPA 8260C
EPA 5035A -- H
Data File: z13752.D
QC Batch ID: voaq221129
QC Number: Blk 2

QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
1,1,1-Trichloroethane	20.0	ug/L	16.1	80.7	80 - 132		11/29/2022
1,1,2,2-Tetrachloroethane	20.0	ug/L	19.1	95.7	23.6 - 185		11/29/2022
1,1,2-Trichloroethane	20.0	ug/L	18.9	94.4	62.9 - 138		11/29/2022
1,1-Dichloroethane	20.0	ug/L	17.8	88.9	79.7 - 124		11/29/2022
1,1-Dichloroethene	20.0	ug/L	16.5	82.6	65.5 - 116		11/29/2022
1,2-Dichlorobenzene	20.0	ug/L	18.7	93.5	59 - 126		11/29/2022
1,2-Dichloroethane	20.0	ug/L	16.8	83.9	78.3 - 122		11/29/2022
1,2-Dichloropropane	20.0	ug/L	18.6	93.0	75.9 - 115		11/29/2022
1,3-Dichlorobenzene	20.0	ug/L	18.5	92.6	66.4 - 109		11/29/2022
1,4-Dichlorobenzene	20.0	ug/L	18.8	94.0	66.4 - 110		11/29/2022
Benzene	20.0	ug/L	18.9	94.4	81.6 - 114		11/29/2022
Bromodichloromethane	20.0	ug/L	17.5	87.4	77.8 - 116		11/29/2022
Bromoform	20.0	ug/L	18.6	92.9	47.9 - 153		11/29/2022
Bromomethane	20.0	ug/L	18.1	90.3	50.9 - 166		11/29/2022
Carbon Tetrachloride	20.0	ug/L	16.2	81.1	76.4 - 129		11/29/2022
Chlorobenzene	20.0	ug/L	18.6	93.2	77.2 - 106		11/29/2022

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	%Rec Limits	LCS Outliers	Date Analyzed
Chloroethane	20.0	ug/L	17.9	89.6	49.9 - 159		11/29/2022
Chloroform	20.0	ug/L	18.0	90.1	84.5 - 122		11/29/2022
Chloromethane	20.0	ug/L	15.5	77.6	42.2 - 174		11/29/2022
cis-1,3-Dichloropropene	20.0	ug/L	17.6	88.0	68.8 - 122		11/29/2022
Dibromochloromethane	20.0	ug/L	18.4	91.9	65.7 - 133		11/29/2022
Ethylbenzene	20.0	ug/L	17.9	89.3	72.1 - 110		11/29/2022
Methylene chloride	20.0	ug/L	18.6	93.0	52.5 - 139		11/29/2022
Tetrachloroethene	20.0	ug/L	18.9	94.6	64.4 - 130		11/29/2022
Toluene	20.0	ug/L	18.6	93.1	62.9 - 125		11/29/2022
trans-1,2-Dichloroethene	20.0	ug/L	17.6	88.2	73.9 - 120		11/29/2022
trans-1,3-Dichloropropene	20.0	ug/L	17.2	86.0	57.1 - 131		11/29/2022
Trichloroethene	20.0	ug/L	18.7	93.7	73.4 - 122		11/29/2022
Trichlorofluoromethane	20.0	ug/L	16.3	81.7	62.2 - 147		11/29/2022
Vinyl chloride	20.0	ug/L	16.4	81.8	50.9 - 164		11/29/2022

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QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.
Project Reference: PC-5930S-22
Lab Project ID: 225566
SDG #: 5566-01
Matrix: Soil

Volatile Organics

Analyte	Method Reference(s):	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
	EPA 8260C							
	EPA 5035A -- H							
	Data File:							
	z13733.D							
	QC Number:							
	LCS 1							
	QC Batch ID:							
	voaq221129							

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Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"H" = Denotes a parameter analyzed outside of holding time.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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CHAIN OF CUSTODY



REPORT TO:

INVOICE TO:

225566

CLIENT: Day Engineering P.C.	CLIENT: MCDES	LAB PROJECT ID
ADDRESS: 1563 Lyell Ave	ADDRESS:	PC 59305-22
CITY: Rochester STATE: NY ZIP 14620	CITY: STATE: ZIP:	Quotation #:
PHONE: 585-967-2804	PHONE:	Email: hmcclennan@daymail.net

PROJECT REFERENCE

ATTN: Heather McLennan	Matrix Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid	WA - Water WG - Groundwater	DW - Drinking Water WW - Wastewater	SO - Soil SL - Sludge	SD - Solid PT - Paint	WP - Wipe CK - Caulk	OL - Oil AR - Air
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REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GARB	SAMPLE IDENTIFIER	MC AOD REIS	NO UNB EAT RNE FS	TCL & CP-51 VOCs 8260	TCL & CP-51 SVOCs 8270	RCRA Metals	PCBs 8082A	Lead 6010	REMARKS	PARADIGM LAB SAMPLE NUMBER
11/16/2022	9:20		X	TB-1 (3-4)	SO	1	X						01
11/16/2022	9:20		X	TB-1 (4-6)	SO	1		X	X				02
11/16/2022	11:33		X	TB-3 (18-19 5)	SO	1		X	X				03
11/16/2022	11:30		X	TB-3 (18-5-19)	SO	1	X						04
11/16/2022	12:25		X	TB-4 (3-4)	SO	1	X						05
11/16/2022	12:25		X	TB-4 (2-4)	SO	1	X			X			06
11/16/2022	13:36		X	TB-6 (15.5-16)	SO	1	X						07

Turnaround Time	Report Supplements
Availability contingent upon lab approval; additional fees may apply.	
Standard 5 day	None Required
10 day	Batch QC
Rush 3 day	Category A
Rush 2 day	Category B
Rush 1 day	Other
Other	

Sampled By *HL* Date/Time *11.16.22/1345*

Relinquished By *HL* Date/Time *11.16.22/1625*

Received By *gustaf* Date/Time *11/16/22/1625*

Received @ Lab By *gustaf* Date/Time *11/16/22*

Total Cost

P.I.F.

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

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Chain of Custody Supplement

Client:

Day Engineering

Completed by:

ZC

Lab Project ID:

225566

Date:

11/16/22

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 5035	<input type="checkbox"/>
Comments			
Transferred to method-compliant container	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Met
Comments	12°C held in field		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
Day Engineering, P.C.

For Lab Project ID

225635

Referencing

PC59305-22

Prepared

Wednesday, November 30, 2022

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in blue ink, reading "K. R. Hansen", is written over a horizontal line. The signature is stylized, with the first letters of the first and last names being capitalized and prominent.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

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Report Prepared Wednesday, November 30, 2022

Page 1 of 25



Lab Project ID: 225635

Client: Day Engineering, P.C.

Project Reference: PC59305-22

Sample Identifier: MW-1

Lab Sample ID: 225635-01

Date Sampled: 11/21/2022 9:45

Matrix: Groundwater

Date Received 11/21/2022

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.000200	mg/L	D	11/23/2022 10:16
Method Reference(s):	EPA 7470A			
Preparation Date:	11/23/2022			
Data File:	Hg221123A			

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	0.0120	mg/L		11/30/2022 10:47
Barium	0.0790	mg/L	J	11/30/2022 10:47
Cadmium	< 0.00500	mg/L		11/30/2022 10:47
Chromium	0.0228	mg/L		11/30/2022 10:47
Lead	0.0255	mg/L		11/30/2022 10:47
Selenium	< 0.0200	mg/L		11/30/2022 10:47
Silver	< 0.0100	mg/L		11/30/2022 10:47
Method Reference(s):	EPA 6010C EPA 3005A			
Preparation Date:	11/23/2022			
Data File:	221130AR			

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		11/29/2022 15:55
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		11/29/2022 15:55
1,1,2-Trichloroethane	< 2.00	ug/L		11/29/2022 15:55
1,1-Dichloroethane	< 2.00	ug/L		11/29/2022 15:55
1,1-Dichloroethene	< 2.00	ug/L		11/29/2022 15:55
1,2,3-Trichlorobenzene	< 5.00	ug/L		11/29/2022 15:55
1,2,4-Trichlorobenzene	< 5.00	ug/L		11/29/2022 15:55
1,2,4-Trimethylbenzene	17.4	ug/L		11/29/2022 15:55
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		11/29/2022 15:55

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Lab Project ID: 225635

Client: Day Engineering, P.C.

Project Reference: PC59305-22

Sample Identifier: MW-1

Lab Sample ID: 225635-01

Date Sampled: 11/21/2022 9:45

Matrix: Groundwater

Date Received 11/21/2022

1,2-Dibromoethane	< 2.00	ug/L	11/29/2022 15:55
1,2-Dichlorobenzene	< 2.00	ug/L	11/29/2022 15:55
1,2-Dichloroethane	< 2.00	ug/L	11/29/2022 15:55
1,2-Dichloropropane	< 2.00	ug/L	11/29/2022 15:55
1,3,5-Trimethylbenzene	14.5	ug/L	11/29/2022 15:55
1,3-Dichlorobenzene	< 2.00	ug/L	11/29/2022 15:55
1,4-Dichlorobenzene	< 2.00	ug/L	11/29/2022 15:55
1,4-Dioxane	< 10.0	ug/L	11/29/2022 15:55
2-Butanone	< 10.0	ug/L	11/29/2022 15:55
2-Hexanone	< 5.00	ug/L	11/29/2022 15:55
4-Methyl-2-pentanone	< 5.00	ug/L	11/29/2022 15:55
Acetone	< 10.0	ug/L	11/29/2022 15:55
Benzene	< 1.00	ug/L	11/29/2022 15:55
Bromochloromethane	< 5.00	ug/L	11/29/2022 15:55
Bromodichloromethane	< 2.00	ug/L	11/29/2022 15:55
Bromoform	< 5.00	ug/L	11/29/2022 15:55
Bromomethane	< 2.00	ug/L	11/29/2022 15:55
Carbon disulfide	< 2.00	ug/L	11/29/2022 15:55
Carbon Tetrachloride	< 2.00	ug/L	11/29/2022 15:55
Chlorobenzene	< 2.00	ug/L	11/29/2022 15:55
Chloroethane	< 2.00	ug/L	11/29/2022 15:55
Chloroform	< 2.00	ug/L	11/29/2022 15:55
Chloromethane	< 2.00	ug/L	11/29/2022 15:55
cis-1,2-Dichloroethene	< 2.00	ug/L	11/29/2022 15:55
cis-1,3-Dichloropropene	< 2.00	ug/L	11/29/2022 15:55
Cyclohexane	< 10.0	ug/L	11/29/2022 15:55
Dibromochloromethane	< 2.00	ug/L	11/29/2022 15:55
Dichlorodifluoromethane	< 2.00	ug/L	11/29/2022 15:55
Ethylbenzene	< 2.00	ug/L	11/29/2022 15:55
Freon 113	< 2.00	ug/L	11/29/2022 15:55

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Lab Project ID: 225635

Client: Day Engineering, P.C.

Project Reference: PC59305-22

Sample Identifier: MW-1

Lab Sample ID: 225635-01

Date Sampled: 11/21/2022 9:45

Matrix: Groundwater

Date Received 11/21/2022

Isopropylbenzene	3.24	ug/L	11/29/2022 15:55
m,p-Xylene	< 2.00	ug/L	11/29/2022 15:55
Methyl acetate	< 2.00	ug/L	11/29/2022 15:55
Methyl tert-butyl Ether	< 2.00	ug/L	11/29/2022 15:55
Methylcyclohexane	175	ug/L	11/29/2022 15:55
Methylene chloride	< 5.00	ug/L	11/29/2022 15:55
Naphthalene	< 5.00	ug/L	11/29/2022 15:55
n-Butylbenzene	< 2.00	ug/L	11/29/2022 15:55
n-Propylbenzene	8.43	ug/L	11/29/2022 15:55
o-Xylene	< 2.00	ug/L	11/29/2022 15:55
p-Isopropyltoluene	4.44	ug/L	11/29/2022 15:55
sec-Butylbenzene	3.38	ug/L	11/29/2022 15:55
Styrene	< 5.00	ug/L	11/29/2022 15:55
tert-Butylbenzene	< 2.00	ug/L	11/29/2022 15:55
Tetrachloroethene	< 2.00	ug/L	11/29/2022 15:55
Toluene	< 2.00	ug/L	11/29/2022 15:55
trans-1,2-Dichloroethene	< 2.00	ug/L	11/29/2022 15:55
trans-1,3-Dichloropropene	< 2.00	ug/L	11/29/2022 15:55
Trichloroethene	< 2.00	ug/L	11/29/2022 15:55
Trichlorofluoromethane	< 2.00	ug/L	11/29/2022 15:55
Vinyl chloride	< 2.00	ug/L	11/29/2022 15:55

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	90.7	81.1 - 136		11/29/2022 15:55
4-Bromofluorobenzene	97.3	75.8 - 132		11/29/2022 15:55
Pentafluorobenzene	101	82 - 132		11/29/2022 15:55
Toluene-D8	101	64.6 - 137		11/29/2022 15:55

Method Reference(s): EPA 8260C

EPA 5030C

Data File: z13742.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 225635

Client: Day Engineering, P.C.

Project Reference: PC59305-22

Sample Identifier: SS-1

Lab Sample ID: 225635-02

Date Sampled: 11/21/2022 9:45

Matrix: Soil

Date Received 11/21/2022

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Lead	1400	mg/Kg	M	11/30/2022 11:25
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	11/28/2022			
Data File:	221130AR			



Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC59305-22
Lab Project ID: 225635
SDG #: 5635-01
Matrix: Groundwater

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	<0.000200	mg/L		11/23/2022 09:59

Method Reference(s): EPA 7470A
Preparation Date: 11/23/2022
Data File: Hg221123A
QC Batch ID: QC221123Hgwater
QC Number: Blk 1



PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample and Control Sample Duplicate

Client: Day Engineering, P.C.

Project Reference: PC59305-22

Lab Project ID: 225635

SDG #: 5635-01

Matrix: Groundwater

Mercury

	LCS	LCSD	Spike	LCS	LCSD	LCS %	LCSD %	% Rec	LCS	LCSD	Relative %	RPD	RPD	Date
Analyte	Added	Added	Units	Result	Result	Recovery	Recovery	Limits	Outliers	Outliers	Difference	Limit	Outliers	Analyzed
Mercury	0.00200	0.00200	mg/L	0.00218	0.00169	109	84.3	80 - 120			25.4	20	*	11/23/2022
Method Reference(s): EPA 7470A														
Preparation Date: 11/23/2022														
Data File: Hg221123A														
QC Number: 1														
QC Batch ID: QC221123Hgwater														

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC59305-22
Lab Project ID: 225635
SDG #: 5635-01
Matrix: Soil

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Lead	<0.490	mg/Kg		11/30/2022 11:11

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 11/28/2022
Data File: 221130AR
QC Batch ID: QC221128soil
QC Number: Blk 1



PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample and Control Sample Duplicate

Client: Day Engineering, P.C.

Project Reference: PC59305-22

Lab Project ID: 225635

SDG #: 5635-01

Matrix: Soil

Metals

Analyte	LCS Added	LCSD Added	Spike Units	LCS Result	LCSD Result	LCS % Recovery	LCSD % Recovery	% Rec Limits	LCS Outliers	LCSD Outliers	Relative % Difference	RPD Limit	RPD Outliers	Date Analyzed
Lead	117	117	mg/Kg	119	120	102	103	80 - 120			0.669	20		11/30/2022

Method Reference(s):

EPA 6010C
EPA 3050B
Preparation Date: 11/28/2022
Data File: 221130AR
QC Number: 1
QC Batch ID: QC221128soil

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QC Report for Sample Spike and Sample Duplicate

Client: Day Engineering, P.C.

SDG #: 5635-01

Project Reference: PC59305-22

Lab Project ID: 225635

Lab Sample ID: 225635-02

Date Sampled: 11/21/2022

Sample Identifier: SS-1

Date Received: 11/21/2022

Matrix: Soil

Metals

Analyte	Sample Results	Result Units	Spike Added	Spike Result	Spike % Recovery	% Rec Limits	Spike Outliers	Duplicate Result	Relative % Difference	RPD Limit	RPD Outliers	Date Analyzed
Lead	1400	mg/Kg	143	1370	-21.8	75 - 125	*	1150	19.7	20		11/30/2022
Method Reference(s):		EPA 6010C										
		EPA 3050B										
Preparation Date:		11/28/2022										
		221130AR										
QC Batch ID:		QC221128soil										

NC = Not Calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added.

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Report Prepared Wednesday, November 30, 2022



Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC59305-22
Lab Project ID: 225635
SDG #: 5635-01
Matrix: Groundwater

RCRA Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	<0.0100	mg/L		11/30/2022 10:19
Barium	<0.100	mg/L		11/30/2022 10:19
Cadmium	<0.00500	mg/L		11/30/2022 10:19
Chromium	<0.0100	mg/L		11/30/2022 10:19
Lead	<0.0100	mg/L		11/30/2022 10:19
Selenium	<0.0200	mg/L		11/30/2022 10:19
Silver	<0.0100	mg/L		11/30/2022 10:19

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 11/23/2022
Data File: 221130AR
QC Batch ID: QC221123water
QC Number: Blk 1



PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample and Control Sample Duplicate

Client: Day Engineering, P.C.

Project Reference: PC59305-22

Lab Project ID: 225635

SDG #: 5635-01

Matrix: Groundwater

RCRA Metals (ICP)

Analyte	LCS Added	LCSD Added	Spike Units	LCS Result	LCSD Result	LCS % Recovery	LCSD % Recovery	% Rec Limits	LCS Outliers	LCSD Outliers	Relative % Difference	RPD Limit	RPD Outliers	Date Analyzed
Arsenic	2.50	2.50	mg/L	2.44	2.47	97.5	98.9	80 - 120			1.44	20		11/30/2022
Barium	2.50	2.50	mg/L	2.64	2.68	106	107	80 - 120			1.46	20		11/30/2022
Cadmium	1.00	1.00	mg/L	1.07	1.09	107	109	80 - 120			1.82	20		11/30/2022
Chromium	2.50	2.50	mg/L	2.55	2.58	102	103	80 - 120			1.16	20		11/30/2022
Lead	2.50	2.50	mg/L	2.61	2.63	104	105	80 - 120			0.806	20		11/30/2022
Selenium	2.50	2.50	mg/L	2.40	2.45	96.1	97.9	80 - 120			1.86	20		11/30/2022
Silver	0.250	0.250	mg/L	0.249	0.258	99.8	103	80 - 120			3.32	20		11/30/2022

Method Reference(s):

EPA 6010C
EPA 3005A

Preparation Date: 11/23/2022

Data File: 221130AR

QC Number: 1

QC Batch ID: QC221123water

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC59305-22
Lab Project ID: 225635
SDG #: 5635-01
Matrix: Groundwater

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1,1-Trichloroethane	<2.00	ug/L		11/29/2022 13:17
1,1,2,2-Tetrachloroethane	<2.00	ug/L		11/29/2022 13:17
1,1,2-Trichloroethane	<2.00	ug/L		11/29/2022 13:17
1,1-Dichloroethane	<2.00	ug/L		11/29/2022 13:17
1,1-Dichloroethene	<2.00	ug/L		11/29/2022 13:17
1,2,3-Trichlorobenzene	<5.00	ug/L		11/29/2022 13:17
1,2,4-Trichlorobenzene	<5.00	ug/L		11/29/2022 13:17
1,2,4-Trimethylbenzene	<2.00	ug/L		11/29/2022 13:17
1,2-Dibromo-3-Chloropropane	<10.0	ug/L		11/29/2022 13:17
1,2-Dibromoethane	<2.00	ug/L		11/29/2022 13:17
1,2-Dichlorobenzene	<2.00	ug/L		11/29/2022 13:17
1,2-Dichloroethane	<2.00	ug/L		11/29/2022 13:17
1,2-Dichloropropane	<2.00	ug/L		11/29/2022 13:17
1,3,5-Trimethylbenzene	<2.00	ug/L		11/29/2022 13:17
1,3-Dichlorobenzene	<2.00	ug/L		11/29/2022 13:17
1,4-Dichlorobenzene	<2.00	ug/L		11/29/2022 13:17
1,4-Dioxane	<10.0	ug/L		11/29/2022 13:17
2-Butanone	<10.0	ug/L		11/29/2022 13:17
2-Hexanone	<5.00	ug/L		11/29/2022 13:17
4-Methyl-2-pentanone	<5.00	ug/L		11/29/2022 13:17
Acetone	<10.0	ug/L		11/29/2022 13:17
Benzene	<1.00	ug/L		11/29/2022 13:17
Bromochloromethane	<5.00	ug/L		11/29/2022 13:17
Bromodichloromethane	<2.00	ug/L		11/29/2022 13:17
Bromoform	<5.00	ug/L		11/29/2022 13:17
Bromomethane	<2.00	ug/L		11/29/2022 13:17
Carbon disulfide	<2.00	ug/L		11/29/2022 13:17

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC59305-22
Lab Project ID: 225635
SDG #: 5635-01
Matrix: Groundwater

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Carbon Tetrachloride	<2.00	ug/L		11/29/2022 13:17
Chlorobenzene	<2.00	ug/L		11/29/2022 13:17
Chloroethane	<2.00	ug/L		11/29/2022 13:17
Chloroform	<2.00	ug/L		11/29/2022 13:17
Chloromethane	<2.00	ug/L		11/29/2022 13:17
cis-1,2-Dichloroethene	<2.00	ug/L		11/29/2022 13:17
cis-1,3-Dichloropropene	<2.00	ug/L		11/29/2022 13:17
Cyclohexane	<10.0	ug/L		11/29/2022 13:17
Dibromochloromethane	<2.00	ug/L		11/29/2022 13:17
Dichlorodifluoromethane	<2.00	ug/L		11/29/2022 13:17
Ethylbenzene	<2.00	ug/L		11/29/2022 13:17
Freon 113	<2.00	ug/L		11/29/2022 13:17
Isopropylbenzene	<2.00	ug/L		11/29/2022 13:17
m,p-Xylene	<2.00	ug/L		11/29/2022 13:17
Methyl acetate	<2.00	ug/L		11/29/2022 13:17
Methyl tert-butyl Ether	<2.00	ug/L		11/29/2022 13:17
Methylcyclohexane	<2.00	ug/L		11/29/2022 13:17
Methylene chloride	<5.00	ug/L		11/29/2022 13:17
Naphthalene	<5.00	ug/L		11/29/2022 13:17
n-Butylbenzene	<2.00	ug/L		11/29/2022 13:17
n-Propylbenzene	<2.00	ug/L		11/29/2022 13:17
o-Xylene	<2.00	ug/L		11/29/2022 13:17
p-Isopropyltoluene	<2.00	ug/L		11/29/2022 13:17
sec-Butylbenzene	<2.00	ug/L		11/29/2022 13:17
Styrene	<5.00	ug/L		11/29/2022 13:17
tert-Butylbenzene	<2.00	ug/L		11/29/2022 13:17
Tetrachloroethene	<2.00	ug/L		11/29/2022 13:17
Toluene	<2.00	ug/L		11/29/2022 13:17

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC59305-22
Lab Project ID: 225635
SDG #: 5635-01
Matrix: Groundwater

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>	
trans-1,2-Dichloroethene	<2.00	ug/L		11/29/2022	13:17
trans-1,3-Dichloropropene	<2.00	ug/L		11/29/2022	13:17
Trichloroethene	<2.00	ug/L		11/29/2022	13:17
Trichlorofluoromethane	<2.00	ug/L		11/29/2022	13:17
Vinyl chloride	<2.00	ug/L		11/29/2022	13:17

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
1,2-Dichloroethane-d4	90.0	81.1 - 136		11/29/2022	13:17
4-Bromofluorobenzene	94.6	75.8 - 132		11/29/2022	13:17
Pentafluorobenzene	104	82 - 132		11/29/2022	13:17
Toluene-D8	105	64.6 - 137		11/29/2022	13:17

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z13734.D
QC Batch ID: voaq221129
QC Number: Blk 1



Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC59305-22
Lab Project ID: 225635
SDG #: 5635-01
Matrix: Groundwater

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1,1-Trichloroethane	<1000	ug/L		11/29/2022 19:08
1,1,2,2-Tetrachloroethane	<1000	ug/L		11/29/2022 19:08
1,1,2-Trichloroethane	<1000	ug/L		11/29/2022 19:08
1,1-Dichloroethane	<1000	ug/L		11/29/2022 19:08
1,1-Dichloroethene	<1000	ug/L		11/29/2022 19:08
1,2,3-Trichlorobenzene	<2500	ug/L		11/29/2022 19:08
1,2,4-Trichlorobenzene	<2500	ug/L		11/29/2022 19:08
1,2,4-Trimethylbenzene	<1000	ug/L		11/29/2022 19:08
1,2-Dibromo-3-Chloropropane	<5000	ug/L		11/29/2022 19:08
1,2-Dibromoethane	<1000	ug/L		11/29/2022 19:08
1,2-Dichlorobenzene	<1000	ug/L		11/29/2022 19:08
1,2-Dichloroethane	<1000	ug/L		11/29/2022 19:08
1,2-Dichloropropane	<1000	ug/L		11/29/2022 19:08
1,3,5-Trimethylbenzene	<1000	ug/L		11/29/2022 19:08
1,3-Dichlorobenzene	<1000	ug/L		11/29/2022 19:08
1,4-Dichlorobenzene	<1000	ug/L		11/29/2022 19:08
1,4-Dioxane	<5000	ug/L		11/29/2022 19:08
2-Butanone	<5000	ug/L		11/29/2022 19:08
2-Hexanone	<2500	ug/L		11/29/2022 19:08
4-Methyl-2-pentanone	<2500	ug/L		11/29/2022 19:08
Acetone	<5000	ug/L		11/29/2022 19:08
Benzene	<500	ug/L		11/29/2022 19:08
Bromochloromethane	<2500	ug/L		11/29/2022 19:08
Bromodichloromethane	<1000	ug/L		11/29/2022 19:08
Bromoform	<2500	ug/L		11/29/2022 19:08
Bromomethane	<1000	ug/L		11/29/2022 19:08
Carbon disulfide	<1000	ug/L		11/29/2022 19:08
Carbon Tetrachloride	<1000	ug/L		11/29/2022 19:08

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC59305-22
Lab Project ID: 225635
SDG #: 5635-01
Matrix: Groundwater

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Chlorobenzene	<1000	ug/L		11/29/2022 19:08
Chloroethane	<1000	ug/L		11/29/2022 19:08
Chloroform	<1000	ug/L		11/29/2022 19:08
Chloromethane	<1000	ug/L		11/29/2022 19:08
cis-1,2-Dichloroethene	<1000	ug/L		11/29/2022 19:08
cis-1,3-Dichloropropene	<1000	ug/L		11/29/2022 19:08
Cyclohexane	<5000	ug/L		11/29/2022 19:08
Dibromochloromethane	<1000	ug/L		11/29/2022 19:08
Dichlorodifluoromethane	<1000	ug/L		11/29/2022 19:08
Ethylbenzene	<1000	ug/L		11/29/2022 19:08
Freon 113	<1000	ug/L		11/29/2022 19:08
Isopropylbenzene	<1000	ug/L		11/29/2022 19:08
m,p-Xylene	<1000	ug/L		11/29/2022 19:08
Methyl acetate	<1000	ug/L		11/29/2022 19:08
Methyl tert-butyl Ether	<1000	ug/L		11/29/2022 19:08
Methylcyclohexane	<1000	ug/L		11/29/2022 19:08
Methylene chloride	<2500	ug/L		11/29/2022 19:08
Naphthalene	<2500	ug/L		11/29/2022 19:08
n-Butylbenzene	<1000	ug/L		11/29/2022 19:08
n-Propylbenzene	<1000	ug/L		11/29/2022 19:08
o-Xylene	<1000	ug/L		11/29/2022 19:08
p-Isopropyltoluene	<1000	ug/L		11/29/2022 19:08
sec-Butylbenzene	<1000	ug/L		11/29/2022 19:08
Styrene	<2500	ug/L		11/29/2022 19:08
tert-Butylbenzene	<1000	ug/L		11/29/2022 19:08
Tetrachloroethene	<1000	ug/L		11/29/2022 19:08
Toluene	<1000	ug/L		11/29/2022 19:08
trans-1,2-Dichloroethene	<1000	ug/L		11/29/2022 19:08

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: PC59305-22
Lab Project ID: 225635
SDG #: 5635-01
Matrix: Groundwater

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>	
trans-1,3-Dichloropropene	<1000	ug/L		11/29/2022	19:08
Trichloroethene	<1000	ug/L		11/29/2022	19:08
Trichlorofluoromethane	<1000	ug/L		11/29/2022	19:08
Vinyl chloride	<1000	ug/L		11/29/2022	19:08

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
1,2-Dichloroethane-d4	88.7	81.1 - 136		11/29/2022	19:08
4-Bromofluorobenzene	87.9	75.8 - 132		11/29/2022	19:08
Pentafluorobenzene	103	82 - 132		11/29/2022	19:08
Toluene-D8	103	64.6 - 137		11/29/2022	19:08

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z13752.D
QC Batch ID: voaq221129
QC Number: Blk 2

QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.
Project Reference: PC59305-22
Lab Project ID: 225635
SDG #: 5635-01
Matrix: Groundwater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	%Rec Limits	LCS Outliers	Date Analyzed
1,1,1-Trichloroethane	20.0	ug/L	16.1	80.7	80 - 132		11/29/2022
1,1,2,2-Tetrachloroethane	20.0	ug/L	19.1	95.7	23.6 - 185		11/29/2022
1,1,2-Trichloroethane	20.0	ug/L	18.9	94.4	62.9 - 138		11/29/2022
1,1-Dichloroethane	20.0	ug/L	17.8	88.9	79.7 - 124		11/29/2022
1,1-Dichloroethene	20.0	ug/L	16.5	82.6	65.5 - 116		11/29/2022
1,2-Dichlorobenzene	20.0	ug/L	18.7	93.5	59 - 126		11/29/2022
1,2-Dichloroethane	20.0	ug/L	16.8	83.9	78.3 - 122		11/29/2022
1,2-Dichloropropane	20.0	ug/L	18.6	93.0	75.9 - 115		11/29/2022
1,3-Dichlorobenzene	20.0	ug/L	18.5	92.6	66.4 - 109		11/29/2022
1,4-Dichlorobenzene	20.0	ug/L	18.8	94.0	66.4 - 110		11/29/2022
Benzene	20.0	ug/L	18.9	94.4	81.6 - 114		11/29/2022
Bromodichloromethane	20.0	ug/L	17.5	87.4	77.8 - 116		11/29/2022
Bromoform	20.0	ug/L	18.6	92.9	47.9 - 153		11/29/2022
Bromomethane	20.0	ug/L	18.1	90.3	50.9 - 166		11/29/2022
Carbon Tetrachloride	20.0	ug/L	16.2	81.1	76.4 - 129		11/29/2022
Chlorobenzene	20.0	ug/L	18.6	93.2	77.2 - 106		11/29/2022

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.
Project Reference: PC59305-22
Lab Project ID: 225635
SDG #: 5635-01
Matrix: Groundwater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	%Rec Limits	LCS Outliers	Date Analyzed
Chloroethane	20.0	ug/L	17.9	89.6	49.9 - 159		11/29/2022
Chloroform	20.0	ug/L	18.0	90.1	84.5 - 122		11/29/2022
Chloromethane	20.0	ug/L	15.5	77.6	42.2 - 174		11/29/2022
cis-1,3-Dichloropropene	20.0	ug/L	17.6	88.0	68.8 - 122		11/29/2022
Dibromochloromethane	20.0	ug/L	18.4	91.9	65.7 - 133		11/29/2022
Ethylbenzene	20.0	ug/L	17.9	89.3	72.1 - 110		11/29/2022
Methylene chloride	20.0	ug/L	18.6	93.0	52.5 - 139		11/29/2022
Tetrachloroethene	20.0	ug/L	18.9	94.6	64.4 - 130		11/29/2022
Toluene	20.0	ug/L	18.6	93.1	62.9 - 125		11/29/2022
trans-1,2-Dichloroethene	20.0	ug/L	17.6	88.2	73.9 - 120		11/29/2022
trans-1,3-Dichloropropene	20.0	ug/L	17.2	86.0	57.1 - 131		11/29/2022
Trichloroethene	20.0	ug/L	18.7	93.7	73.4 - 122		11/29/2022
Trichlorofluoromethane	20.0	ug/L	16.3	81.7	62.2 - 147		11/29/2022
Vinyl chloride	20.0	ug/L	16.4	81.8	50.9 - 164		11/29/2022

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QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.
Project Reference: PC59305-22
Lab Project ID: 225635
SDG #: 5635-01
Matrix: Groundwater

Volatile Organics

Analyte	Method Reference(s):	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
	EPA 8260C							
	EPA 5030C							
	Data File:							
	z13733.D							
	QC Number:							
	LCS 1							
	QC Batch ID:							
	voaq221129							

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"H" = Denotes a parameter analyzed outside of holding time.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

REPORT TO:		INVOICE TO:		LAB PROJECT ID	
COMPANY:	JAY ENGINEERING	COMPANY:	SAME	225635	
ADDRESS:		ADDRESS:			
CITY:		CITY:			
STATE:	1563	STATE:	NC	STATE:	NC
ZIP:		ZIP:		ZIP:	
Quotation #:					

PROJECT REFERENCE	ATTN:		ATTN:
PC59305-22	Heather McEnnam		hmcennam@day
Matrix Codes:			
AQ - Aqueous Liquid	WA - Water	DW - Drinking Water	SD - Solid
NA - Non-Aqueous Liquid	WG - Groundwater	WW - Wastewater	PT - Paint
		SL - Sludge	WP - Wipe
			CK - Caulk
			OL - Oil
			AR - Air

[illegible]

Turnaround Time	Report Supplements	
Availability contingent upon lab approval; additional fees may apply.		
Standard 5 day	<input checked="" type="checkbox"/> None Required	None Required <input checked="" type="checkbox"/>
10 day	<input type="checkbox"/> Batch QC	Basic EDD <input type="checkbox"/>
Rush 3 day	<input type="checkbox"/> Category A	NYSDEC EDD <input type="checkbox"/>
Rush 2 day	<input type="checkbox"/> Category B	
Rush 1 day	<input type="checkbox"/>	
Other	Other	Other EDD
please indicate date needed: _____	please indicate package needed: _____	please indicate EDD needed: _____

Heather Miller	11.21.22 / 1530	Total Cost:	
Sampled By	Date/Time		
Heather ✓	11.21.22 1536		
Relinquished By	Date/Time		
AKO	11/21/22 1536		
Received By	Date/Time	P.L.F.	
Shirley Miller	11/21/22 1538		
Received @ Lab By	Date/Time		
3C11/21/22 1538			

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

Outgoing scan via, dropped off by client on 11/21/22

2062



Chain of Custody Supplement

Client: Pay Eng.

Completed by: GH

Lab Project ID: 225635

Date: 11/21/22

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	<i>NELAC compliance with the sample condition requirements upon receipt</i>		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input checked="" type="checkbox"/> VOA	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Preservation	<input checked="" type="checkbox"/> Met (01) VOA	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Temperature	<input checked="" type="checkbox"/> 30C	<input type="checkbox"/>	<input checked="" type="checkbox"/> Met
Comments			
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			



ANALYTICAL REPORT

Lab Number:	L2265739
Client:	Day Environmental, Inc. 1563 Lyell Avenue Rochester, NY 14606
ATTN:	Heather McLennan
Phone:	(585) 454-0210
Project Name:	600 RIDGE RD
Project Number:	PC.593OS-22
Report Date:	12/07/22

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

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: 600 RIDGE RD
Project Number: PC.593OS-22

Lab Number: L2265739
Report Date: 12/07/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2265739-01	SV-1	SOIL_VAPOR	600 RIDGE RD	11/21/22 13:57	11/21/22
L2265739-02	SV-2	SOIL_VAPOR	600 RIDGE RD	11/21/22 13:58	11/21/22
L2265739-03	SV-3	SOIL_VAPOR	600 RIDGE RD	11/21/22 14:00	11/21/22

Project Name: 600 RIDGE RD
Project Number: PC.593OS-22

Lab Number: L2265739
Report Date: 12/07/22

Case Narrative

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

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

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

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

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

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

Project Name: 600 RIDGE RD
Project Number: PC.593OS-22

Lab Number: L2265739
Report Date: 12/07/22

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on November 17, 2022. The canister certification results are provided as an addendum.

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

Authorized Signature:



Jennifer Jerome

Title: Technical Director/Representative

Date: 12/07/22

AIR

Project Name: 600 RIDGE RD**Project Number:** PC.593OS-22**Lab Number:** L2265739**Report Date:** 12/07/22**SAMPLE RESULTS**

Lab ID: L2265739-01
 Client ID: SV-1
 Sample Location: 600 RIDGE RD

Date Collected: 11/21/22 13:57
 Date Received: 11/21/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/07/22 10:38
 Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.388	0.200	--	1.92	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	16.0	5.00	--	30.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	134	1.00	--	318	2.38	--		1
Trichlorofluoromethane	0.413	0.200	--	2.32	1.12	--		1
Isopropanol	4.72	0.500	--	11.6	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.34	0.500	--	4.06	1.52	--		1
Methylene chloride	30.1	0.500	--	105	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.57	0.200	--	4.89	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.94	0.500	--	5.72	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 600 RIDGE RD**Project Number:** PC.593OS-22**Lab Number:** L2265739**Report Date:** 12/07/22**SAMPLE RESULTS**

Lab ID: L2265739-01
 Client ID: SV-1
 Sample Location: 600 RIDGE RD

Date Collected: 11/21/22 13:57
 Date Received: 11/21/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.734	0.500	--	2.16	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	6.15	0.200	--	21.7	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	1.72	0.200	--	5.49	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	2.79	0.200	--	9.60	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	6.84	0.200	--	28.0	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	35.6	0.200	--	134	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.463	0.200	--	2.01	0.869	--		1



Project Name: 600 RIDGE RD**Lab Number:** L2265739**Project Number:** PC.593OS-22**Report Date:** 12/07/22**SAMPLE RESULTS**

Lab ID: L2265739-01
 Client ID: SV-1
 Sample Location: 600 RIDGE RD

Date Collected: 11/21/22 13:57
 Date Received: 11/21/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.03	0.400	--	8.82	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.629	0.200	--	2.73	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.412	0.200	--	2.03	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	106		60-140
chlorobenzene-d5	108		60-140



Project Name: 600 RIDGE RD**Project Number:** PC.593OS-22**Lab Number:** L2265739**Report Date:** 12/07/22**SAMPLE RESULTS**

Lab ID: L2265739-02
 Client ID: SV-2
 Sample Location: 600 RIDGE RD

Date Collected: 11/21/22 13:58
 Date Received: 11/21/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/07/22 11:09
 Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.410	0.200	--	2.03	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.09	1.00	--	9.72	2.38	--		1
Trichlorofluoromethane	0.863	0.200	--	4.85	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	8.33	0.500	--	28.9	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.308	0.200	--	1.22	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.556	0.500	--	1.64	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 600 RIDGE RD**Lab Number:** L2265739**Project Number:** PC.593OS-22**Report Date:** 12/07/22**SAMPLE RESULTS**

Lab ID: L2265739-02
 Client ID: SV-2
 Sample Location: 600 RIDGE RD

Date Collected: 11/21/22 13:58
 Date Received: 11/21/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	2.69	0.200	--	13.1	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.633	0.200	--	2.23	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.233	0.200	--	0.744	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.277	0.200	--	0.953	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	0.586	0.200	--	3.93	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.560	0.200	--	2.62	0.934	--		1
Heptane	0.407	0.200	--	1.67	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.14	0.200	--	11.8	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.734	0.200	--	4.98	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.350	0.200	--	1.52	0.869	--		1



Project Name: 600 RIDGE RD**Lab Number:** L2265739**Project Number:** PC.593OS-22**Report Date:** 12/07/22**SAMPLE RESULTS**

Lab ID: L2265739-02
 Client ID: SV-2
 Sample Location: 600 RIDGE RD

Date Collected: 11/21/22 13:58
 Date Received: 11/21/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.46	0.400	--	6.34	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.482	0.200	--	2.09	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.354	0.200	--	1.74	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	107		60-140



Project Name: 600 RIDGE RD**Project Number:** PC.593OS-22**Lab Number:** L2265739**Report Date:** 12/07/22**SAMPLE RESULTS**

Lab ID: L2265739-03
 Client ID: SV-3
 Sample Location: 600 RIDGE RD

Date Collected: 11/21/22 14:00
 Date Received: 11/21/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/07/22 11:39
 Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.445	0.200	--	2.20	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.33	1.00	--	10.3	2.38	--		1
Trichlorofluoromethane	0.226	0.200	--	1.27	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.78	0.500	--	5.40	1.52	--		1
Methylene chloride	1.36	0.500	--	4.72	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.94	0.500	--	5.72	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 600 RIDGE RD**Project Number:** PC.593OS-22**Lab Number:** L2265739**Report Date:** 12/07/22**SAMPLE RESULTS**

Lab ID: L2265739-03

Client ID: SV-3

Sample Location: 600 RIDGE RD

Date Collected: 11/21/22 14:00

Date Received: 11/21/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.290	0.200	--	1.02	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.68	0.200	--	6.33	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.98	0.200	--	13.4	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.321	0.200	--	1.39	0.869	--		1



Project Name: 600 RIDGE RD**Lab Number:** L2265739**Project Number:** PC.593OS-22**Report Date:** 12/07/22**SAMPLE RESULTS**

Lab ID: L2265739-03
 Client ID: SV-3
 Sample Location: 600 RIDGE RD

Date Collected: 11/21/22 14:00
 Date Received: 11/21/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.61	0.400	--	6.99	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.588	0.200	--	2.55	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.409	0.200	--	2.01	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	108		60-140



Project Name: 600 RIDGE RD

Lab Number: L2265739

Project Number: PC.593OS-22

Report Date: 12/07/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/07/22 09:37

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1720285-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: 600 RIDGE RD

Lab Number: L2265739

Project Number: PC.593OS-22

Report Date: 12/07/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/07/22 09:37

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1720285-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: 600 RIDGE RD

Lab Number: L2265739

Project Number: PC.593OS-22

Report Date: 12/07/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/07/22 09:37

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1720285-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Lab Control Sample Analysis

Batch Quality Control

Project Name: 600 RIDGE RD

Project Number: PC.593OS-22

Lab Number: L2265739

Report Date: 12/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1720285-3								
Dichlorodifluoromethane	83		-		70-130	-		
Chloromethane	98		-		70-130	-		
Freon-114	100		-		70-130	-		
Vinyl chloride	97		-		70-130	-		
1,3-Butadiene	98		-		70-130	-		
Bromomethane	96		-		70-130	-		
Chloroethane	95		-		70-130	-		
Ethanol	100		-		40-160	-		
Vinyl bromide	90		-		70-130	-		
Acetone	103		-		40-160	-		
Trichlorofluoromethane	95		-		70-130	-		
Isopropanol	91		-		40-160	-		
1,1-Dichloroethene	114		-		70-130	-		
Tertiary butyl Alcohol	97		-		70-130	-		
Methylene chloride	99		-		70-130	-		
3-Chloropropene	103		-		70-130	-		
Carbon disulfide	94		-		70-130	-		
Freon-113	103		-		70-130	-		
trans-1,2-Dichloroethene	94		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	97		-		70-130	-		
2-Butanone	98		-		70-130	-		
cis-1,2-Dichloroethene	102		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 600 RIDGE RD

Project Number: PC.593OS-22

Lab Number: L2265739

Report Date: 12/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1720285-3								
Ethyl Acetate	101		-		70-130	-		
Chloroform	103		-		70-130	-		
Tetrahydrofuran	96		-		70-130	-		
1,2-Dichloroethane	95		-		70-130	-		
n-Hexane	100		-		70-130	-		
1,1,1-Trichloroethane	100		-		70-130	-		
Benzene	96		-		70-130	-		
Carbon tetrachloride	102		-		70-130	-		
Cyclohexane	99		-		70-130	-		
1,2-Dichloropropane	104		-		70-130	-		
Bromodichloromethane	100		-		70-130	-		
1,4-Dioxane	98		-		70-130	-		
Trichloroethene	105		-		70-130	-		
2,2,4-Trimethylpentane	101		-		70-130	-		
Heptane	102		-		70-130	-		
cis-1,3-Dichloropropene	111		-		70-130	-		
4-Methyl-2-pentanone	103		-		70-130	-		
trans-1,3-Dichloropropene	95		-		70-130	-		
1,1,2-Trichloroethane	106		-		70-130	-		
Toluene	100		-		70-130	-		
2-Hexanone	105		-		70-130	-		
Dibromochloromethane	110		-		70-130	-		
1,2-Dibromoethane	104		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 600 RIDGE RD

Project Number: PC.593OS-22

Lab Number: L2265739

Report Date: 12/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1720285-3								
Tetrachloroethene	104		-		70-130	-		
Chlorobenzene	108		-		70-130	-		
Ethylbenzene	106		-		70-130	-		
p/m-Xylene	108		-		70-130	-		
Bromoform	112		-		70-130	-		
Styrene	106		-		70-130	-		
1,1,2,2-Tetrachloroethane	105		-		70-130	-		
o-Xylene	104		-		70-130	-		
4-Ethyltoluene	100		-		70-130	-		
1,3,5-Trimethylbenzene	102		-		70-130	-		
1,2,4-Trimethylbenzene	105		-		70-130	-		
Benzyl chloride	97		-		70-130	-		
1,3-Dichlorobenzene	105		-		70-130	-		
1,4-Dichlorobenzene	102		-		70-130	-		
1,2-Dichlorobenzene	100		-		70-130	-		
1,2,4-Trichlorobenzene	106		-		70-130	-		
Hexachlorobutadiene	100		-		70-130	-		

Project Name: 600 RIDGE RD

Project Number: PC.593OS-22

Serial_No:12072218:25
Lab Number: L2265739

Report Date: 12/07/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2265739-01	SV-1	01384	Flow 3	11/17/22	406292		-	-	-	Pass	18.0	17.7	2
L2265739-01	SV-1	2687	2.7L Can	11/17/22	406292	L2251079-02	Pass	-29.4	-3.7	-	-	-	-
L2265739-02	SV-2	01793	Flow 3	11/17/22	406292		-	-	-	Pass	18.0	18.5	3
L2265739-02	SV-2	148	2.7L Can	11/17/22	406292	L2262501-01	Pass	-29.3	-4.1	-	-	-	-
L2265739-03	SV-3	01533	Flow 3	11/17/22	406292		-	-	-	Pass	18.0	18.5	3
L2265739-03	SV-3	3428	2.7L Can	11/17/22	406292	L2248284-04	Pass	-29.3	-4.5	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2248284
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2248284-04
Client ID: CAN 3428 SHELF 19
Sample Location:

Date Collected: 09/02/22 18:00
Date Received: 09/07/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 09/07/22 22:00
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2248284
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2248284-04
Client ID: CAN 3428 SHELF 19
Sample Location:

Date Collected: 09/02/22 18:00
Date Received: 09/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2248284
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2248284-04
Client ID: CAN 3428 SHELF 19
Sample Location:

Date Collected: 09/02/22 18:00
Date Received: 09/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2248284
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2248284-04
Client ID: CAN 3428 SHELF 19
Sample Location:

Date Collected: 09/02/22 18:00
Date Received: 09/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2248284**Project Number:** CANISTER QC BAT**Report Date:** 12/07/22**Air Canister Certification Results**

Lab ID: L2248284-04

Date Collected: 09/02/22 18:00

Client ID: CAN 3428 SHELF 19

Date Received: 09/07/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2248284
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2248284-04
Client ID: CAN 3428 SHELF 19
Sample Location:

Date Collected: 09/02/22 18:00
Date Received: 09/07/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 09/07/22 22:00
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2248284
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2248284-04
Client ID: CAN 3428 SHELF 19
Sample Location:

Date Collected: 09/02/22 18:00
Date Received: 09/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2248284**Project Number:** CANISTER QC BAT**Report Date:** 12/07/22**Air Canister Certification Results**

Lab ID: L2248284-04

Date Collected: 09/02/22 18:00

Client ID: CAN 3428 SHELF 19

Date Received: 09/07/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	95		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2251079
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2251079-02
Client ID: CAN 2687 SHELF 14
Sample Location:

Date Collected: 09/19/22 08:00
Date Received: 09/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 09/20/22 20:11
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2251079
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2251079-02
Client ID: CAN 2687 SHELF 14
Sample Location:

Date Collected: 09/19/22 08:00
Date Received: 09/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2251079
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2251079-02
Client ID: CAN 2687 SHELF 14
Sample Location:

Date Collected: 09/19/22 08:00
Date Received: 09/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2251079
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2251079-02
Client ID: CAN 2687 SHELF 14
Sample Location:

Date Collected: 09/19/22 08:00
Date Received: 09/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2251079**Project Number:** CANISTER QC BAT**Report Date:** 12/07/22**Air Canister Certification Results**

Lab ID: L2251079-02

Date Collected: 09/19/22 08:00

Client ID: CAN 2687 SHELF 14

Date Received: 09/19/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	100		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2251079
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2251079-02
Client ID: CAN 2687 SHELF 14
Sample Location:

Date Collected: 09/19/22 08:00
Date Received: 09/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 09/20/22 20:11
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2251079
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2251079-02
Client ID: CAN 2687 SHELF 14
Sample Location:

Date Collected: 09/19/22 08:00
Date Received: 09/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2251079**Project Number:** CANISTER QC BAT**Report Date:** 12/07/22**Air Canister Certification Results**

Lab ID: L2251079-02

Date Collected: 09/19/22 08:00

Client ID: CAN 2687 SHELF 14

Date Received: 09/19/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	102		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	100		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2262501
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2262501-01
Client ID: CAN 148 SHELF 4
Sample Location:

Date Collected: 11/05/22 11:00
Date Received: 11/07/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/08/22 21:15
Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2262501
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2262501-01
Client ID: CAN 148 SHELF 4
Sample Location:

Date Collected: 11/05/22 11:00
Date Received: 11/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2262501**Project Number:** CANISTER QC BAT**Report Date:** 12/07/22**Air Canister Certification Results**

Lab ID: L2262501-01

Date Collected: 11/05/22 11:00

Client ID: CAN 148 SHELF 4

Date Received: 11/07/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2262501
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2262501-01
Client ID: CAN 148 SHELF 4
Sample Location:

Date Collected: 11/05/22 11:00
Date Received: 11/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2262501**Project Number:** CANISTER QC BAT**Report Date:** 12/07/22**Air Canister Certification Results**

Lab ID: L2262501-01

Date Collected: 11/05/22 11:00

Client ID: CAN 148 SHELF 4

Date Received: 11/07/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	95		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2262501
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2262501-01
Client ID: CAN 148 SHELF 4
Sample Location:

Date Collected: 11/05/22 11:00
Date Received: 11/07/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/08/22 21:15
Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2262501
Report Date: 12/07/22

Air Canister Certification Results

Lab ID: L2262501-01
Client ID: CAN 148 SHELF 4
Sample Location:

Date Collected: 11/05/22 11:00
Date Received: 11/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2262501**Project Number:** CANISTER QC BAT**Report Date:** 12/07/22**Air Canister Certification Results**

Lab ID: L2262501-01

Date Collected: 11/05/22 11:00

Client ID: CAN 148 SHELF 4

Date Received: 11/07/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140



Project Name: 600 RIDGE RD**Lab Number:** L2265739**Project Number:** PC.593OS-22**Report Date:** 12/07/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

NA Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2265739-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2265739-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2265739-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

Project Name: 600 RIDGE RD
Project Number: PC.593OS-22

Lab Number: L2265739
Report Date: 12/07/22

GLOSSARY

Acronyms

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

Report Format: Data Usability Report



Project Name: 600 RIDGE RD
Project Number: PC.593OS-22

Lab Number: L2265739
Report Date: 12/07/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: Data Usability Report



Project Name: 600 RIDGE RD**Lab Number:** L2265739**Project Number:** PC.593OS-22**Report Date:** 12/07/22**Data Qualifiers**

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

Project Name: 600 RIDGE RD
Project Number: PC.593OS-22

Lab Number: L2265739
Report Date: 12/07/22

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

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Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility****EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Biological Tissue Matrix: EPA 3050B**The following analytes are included in our Massachusetts DEP Scope of Accreditation****Westborough Facility:****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
Day Engineering, P.C.

For Lab Project ID

230229

Referencing

22-3624S

Prepared

Monday, January 23, 2023

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in blue ink, appearing to read "K. Blansen", is written over a horizontal line. The signature is stylized and includes a large circular flourish.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, January 23, 2023

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Lab Project ID: 230229

Client: Day Engineering, P.C.

Project Reference: 22-3624S

Sample Identifier: MW-1

Lab Sample ID: 230229-01

Date Sampled: 1/18/2023 13:37

Matrix: Groundwater

Date Received 1/18/2023

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		1/20/2023 12:19
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		1/20/2023 12:19
1,1,2-Trichloroethane	< 20.0	ug/L		1/20/2023 12:19
1,1-Dichloroethane	< 20.0	ug/L		1/20/2023 12:19
1,1-Dichloroethene	< 20.0	ug/L		1/20/2023 12:19
1,2,3-Trichlorobenzene	< 50.0	ug/L		1/20/2023 12:19
1,2,4-Trichlorobenzene	< 50.0	ug/L		1/20/2023 12:19
1,2,4-Trimethylbenzene	146	ug/L		1/20/2023 12:19
1,2-Dibromo-3-Chloropropane	< 100	ug/L		1/20/2023 12:19
1,2-Dibromoethane	< 20.0	ug/L		1/20/2023 12:19
1,2-Dichlorobenzene	< 20.0	ug/L		1/20/2023 12:19
1,2-Dichloroethane	< 20.0	ug/L		1/20/2023 12:19
1,2-Dichloropropane	< 20.0	ug/L		1/20/2023 12:19
1,3,5-Trimethylbenzene	120	ug/L		1/20/2023 12:19
1,3-Dichlorobenzene	< 20.0	ug/L		1/20/2023 12:19
1,4-Dichlorobenzene	< 20.0	ug/L		1/20/2023 12:19
1,4-Dioxane	< 100	ug/L		1/20/2023 12:19
2-Butanone	< 100	ug/L		1/20/2023 12:19
2-Hexanone	< 50.0	ug/L		1/20/2023 12:19
4-Methyl-2-pentanone	< 50.0	ug/L		1/20/2023 12:19
Acetone	< 100	ug/L		1/20/2023 12:19
Benzene	< 10.0	ug/L		1/20/2023 12:19
Bromochloromethane	< 50.0	ug/L		1/20/2023 12:19
Bromodichloromethane	< 20.0	ug/L		1/20/2023 12:19
Bromoform	< 50.0	ug/L		1/20/2023 12:19
Bromomethane	< 20.0	ug/L		1/20/2023 12:19
Carbon disulfide	< 20.0	ug/L		1/20/2023 12:19
Carbon Tetrachloride	< 20.0	ug/L		1/20/2023 12:19

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Lab Project ID: 230229

Client: Day Engineering, P.C.

Project Reference: 22-3624S

Sample Identifier: MW-1

Lab Sample ID: 230229-01

Date Sampled: 1/18/2023 13:37

Matrix: Groundwater

Date Received 1/18/2023

Chlorobenzene	< 20.0	ug/L		1/20/2023 12:19
Chloroethane	< 20.0	ug/L		1/20/2023 12:19
Chloroform	< 20.0	ug/L		1/20/2023 12:19
Chloromethane	< 20.0	ug/L		1/20/2023 12:19
cis-1,2-Dichloroethene	< 20.0	ug/L		1/20/2023 12:19
cis-1,3-Dichloropropene	< 20.0	ug/L		1/20/2023 12:19
Cyclohexane	< 100	ug/L		1/20/2023 12:19
Dibromochloromethane	< 20.0	ug/L		1/20/2023 12:19
Dichlorodifluoromethane	< 20.0	ug/L		1/20/2023 12:19
Ethylbenzene	< 20.0	ug/L		1/20/2023 12:19
Freon 113	< 20.0	ug/L		1/20/2023 12:19
Isopropylbenzene	15.2	ug/L	J	1/20/2023 12:19
m,p-Xylene	< 20.0	ug/L		1/20/2023 12:19
Methyl acetate	< 20.0	ug/L		1/20/2023 12:19
Methyl tert-butyl Ether	< 20.0	ug/L		1/20/2023 12:19
Methylcyclohexane	972	ug/L		1/20/2023 12:19
Methylene chloride	< 50.0	ug/L		1/20/2023 12:19
Naphthalene	< 50.0	ug/L		1/20/2023 12:19
n-Butylbenzene	120	ug/L		1/20/2023 12:19
n-Propylbenzene	48.9	ug/L		1/20/2023 12:19
o-Xylene	< 20.0	ug/L		1/20/2023 12:19
p-Isopropyltoluene	33.2	ug/L		1/20/2023 12:19
sec-Butylbenzene	27.6	ug/L		1/20/2023 12:19
Styrene	< 50.0	ug/L		1/20/2023 12:19
tert-Butylbenzene	< 20.0	ug/L		1/20/2023 12:19
Tetrachloroethene	< 20.0	ug/L		1/20/2023 12:19
Toluene	< 20.0	ug/L		1/20/2023 12:19
trans-1,2-Dichloroethene	< 20.0	ug/L		1/20/2023 12:19
trans-1,3-Dichloropropene	< 20.0	ug/L		1/20/2023 12:19
Trichloroethene	< 20.0	ug/L		1/20/2023 12:19

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Lab Project ID: 230229

Client: Day Engineering, P.C.

Project Reference: 22-3624S

Sample Identifier: MW-1

Lab Sample ID: 230229-01

Date Sampled: 1/18/2023 13:37

Matrix: Groundwater

Date Received 1/18/2023

Trichlorofluoromethane < 20.0 ug/L 1/20/2023 12:19

Vinyl chloride < 20.0 ug/L 1/20/2023 12:19

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	100	81.1 - 136		1/20/2023 12:19
4-Bromofluorobenzene	96.5	75.8 - 132		1/20/2023 12:19
Pentafluorobenzene	100	82 - 132		1/20/2023 12:19
Toluene-D8	102	64.6 - 137		1/20/2023 12:19

Method Reference(s): EPA 8260C

EPA 5030C

Data File: z14585.D



Lab Project ID: 230229

Client: Day Engineering, P.C.

Project Reference: 22-3624S

Sample Identifier: MW-2

Lab Sample ID: 230229-02

Date Sampled: 1/18/2023 14:21

Matrix: Groundwater

Date Received 1/18/2023

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		1/20/2023 12:38
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		1/20/2023 12:38
1,1,2-Trichloroethane	< 2.00	ug/L		1/20/2023 12:38
1,1-Dichloroethane	< 2.00	ug/L		1/20/2023 12:38
1,1-Dichloroethene	< 2.00	ug/L		1/20/2023 12:38
1,2,3-Trichlorobenzene	< 5.00	ug/L		1/20/2023 12:38
1,2,4-Trichlorobenzene	< 5.00	ug/L		1/20/2023 12:38
1,2,4-Trimethylbenzene	< 2.00	ug/L		1/20/2023 12:38
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		1/20/2023 12:38
1,2-Dibromoethane	< 2.00	ug/L		1/20/2023 12:38
1,2-Dichlorobenzene	< 2.00	ug/L		1/20/2023 12:38
1,2-Dichloroethane	< 2.00	ug/L		1/20/2023 12:38
1,2-Dichloropropane	< 2.00	ug/L		1/20/2023 12:38
1,3,5-Trimethylbenzene	< 2.00	ug/L		1/20/2023 12:38
1,3-Dichlorobenzene	< 2.00	ug/L		1/20/2023 12:38
1,4-Dichlorobenzene	< 2.00	ug/L		1/20/2023 12:38
1,4-Dioxane	< 10.0	ug/L		1/20/2023 12:38
2-Butanone	< 10.0	ug/L		1/20/2023 12:38
2-Hexanone	< 5.00	ug/L		1/20/2023 12:38
4-Methyl-2-pentanone	< 5.00	ug/L		1/20/2023 12:38
Acetone	< 10.0	ug/L		1/20/2023 12:38
Benzene	< 1.00	ug/L		1/20/2023 12:38
Bromochloromethane	< 5.00	ug/L		1/20/2023 12:38
Bromodichloromethane	< 2.00	ug/L		1/20/2023 12:38
Bromoform	< 5.00	ug/L		1/20/2023 12:38
Bromomethane	< 2.00	ug/L		1/20/2023 12:38
Carbon disulfide	< 2.00	ug/L		1/20/2023 12:38
Carbon Tetrachloride	< 2.00	ug/L		1/20/2023 12:38

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Lab Project ID: 230229

Client: Day Engineering, P.C.

Project Reference: 22-3624S

Sample Identifier: MW-2

Lab Sample ID: 230229-02

Date Sampled: 1/18/2023 14:21

Matrix: Groundwater

Date Received 1/18/2023

Chlorobenzene	< 2.00	ug/L	1/20/2023 12:38
Chloroethane	< 2.00	ug/L	1/20/2023 12:38
Chloroform	< 2.00	ug/L	1/20/2023 12:38
Chloromethane	< 2.00	ug/L	1/20/2023 12:38
cis-1,2-Dichloroethene	< 2.00	ug/L	1/20/2023 12:38
cis-1,3-Dichloropropene	< 2.00	ug/L	1/20/2023 12:38
Cyclohexane	< 10.0	ug/L	1/20/2023 12:38
Dibromochloromethane	< 2.00	ug/L	1/20/2023 12:38
Dichlorodifluoromethane	< 2.00	ug/L	1/20/2023 12:38
Ethylbenzene	< 2.00	ug/L	1/20/2023 12:38
Freon 113	< 2.00	ug/L	1/20/2023 12:38
Isopropylbenzene	< 2.00	ug/L	1/20/2023 12:38
m,p-Xylene	< 2.00	ug/L	1/20/2023 12:38
Methyl acetate	< 2.00	ug/L	1/20/2023 12:38
Methyl tert-butyl Ether	< 2.00	ug/L	1/20/2023 12:38
Methylcyclohexane	< 2.00	ug/L	1/20/2023 12:38
Methylene chloride	< 5.00	ug/L	1/20/2023 12:38
Naphthalene	< 5.00	ug/L	1/20/2023 12:38
n-Butylbenzene	< 2.00	ug/L	1/20/2023 12:38
n-Propylbenzene	< 2.00	ug/L	1/20/2023 12:38
o-Xylene	< 2.00	ug/L	1/20/2023 12:38
p-Isopropyltoluene	< 2.00	ug/L	1/20/2023 12:38
sec-Butylbenzene	< 2.00	ug/L	1/20/2023 12:38
Styrene	< 5.00	ug/L	1/20/2023 12:38
tert-Butylbenzene	< 2.00	ug/L	1/20/2023 12:38
Tetrachloroethene	< 2.00	ug/L	1/20/2023 12:38
Toluene	< 2.00	ug/L	1/20/2023 12:38
trans-1,2-Dichloroethene	< 2.00	ug/L	1/20/2023 12:38
trans-1,3-Dichloropropene	< 2.00	ug/L	1/20/2023 12:38
Trichloroethene	< 2.00	ug/L	1/20/2023 12:38

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Lab Project ID: 230229

Client: Day Engineering, P.C.

Project Reference: 22-3624S

Sample Identifier: MW-2

Lab Sample ID: 230229-02

Date Sampled: 1/18/2023 14:21

Matrix: Groundwater

Date Received 1/18/2023

Trichlorofluoromethane

< 2.00 ug/L

1/20/2023 12:38

Vinyl chloride

< 2.00 ug/L

1/20/2023 12:38

Surrogate

Percent Recovery

Limits

Outliers

Date Analyzed

1,2-Dichloroethane-d4

103

81.1 - 136

1/20/2023 12:38

4-Bromofluorobenzene

96.0

75.8 - 132

1/20/2023 12:38

Pentafluorobenzene

99.3

82 - 132

1/20/2023 12:38

Toluene-D8

103

64.6 - 137

1/20/2023 12:38

Method Reference(s): EPA 8260C

EPA 5030C

Data File: z14586.D



Method Blank Report

Client: Day Engineering, P.C.
Project Reference: 22-3624S
Lab Project ID: 230229
SDG #: 0229-01
Matrix: Groundwater

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1,1-Trichloroethane	<2.00	ug/L		1/20/2023 11:17
1,1,2,2-Tetrachloroethane	<2.00	ug/L		1/20/2023 11:17
1,1,2-Trichloroethane	<2.00	ug/L		1/20/2023 11:17
1,1-Dichloroethane	<2.00	ug/L		1/20/2023 11:17
1,1-Dichloroethene	<2.00	ug/L		1/20/2023 11:17
1,2,3-Trichlorobenzene	<5.00	ug/L		1/20/2023 11:17
1,2,4-Trichlorobenzene	<5.00	ug/L		1/20/2023 11:17
1,2,4-Trimethylbenzene	<2.00	ug/L		1/20/2023 11:17
1,2-Dibromo-3-Chloropropane	<10.0	ug/L		1/20/2023 11:17
1,2-Dibromoethane	<2.00	ug/L		1/20/2023 11:17
1,2-Dichlorobenzene	<2.00	ug/L		1/20/2023 11:17
1,2-Dichloroethane	<2.00	ug/L		1/20/2023 11:17
1,2-Dichloropropane	<2.00	ug/L		1/20/2023 11:17
1,3,5-Trimethylbenzene	<2.00	ug/L		1/20/2023 11:17
1,3-Dichlorobenzene	<2.00	ug/L		1/20/2023 11:17
1,4-Dichlorobenzene	<2.00	ug/L		1/20/2023 11:17
1,4-Dioxane	<10.0	ug/L		1/20/2023 11:17
2-Butanone	<10.0	ug/L		1/20/2023 11:17
2-Hexanone	<5.00	ug/L		1/20/2023 11:17
4-Methyl-2-pentanone	<5.00	ug/L		1/20/2023 11:17
Acetone	<10.0	ug/L		1/20/2023 11:17
Benzene	<1.00	ug/L		1/20/2023 11:17
Bromochloromethane	<5.00	ug/L		1/20/2023 11:17
Bromodichloromethane	<2.00	ug/L		1/20/2023 11:17
Bromoform	<5.00	ug/L		1/20/2023 11:17
Bromomethane	<2.00	ug/L		1/20/2023 11:17
Carbon disulfide	<2.00	ug/L		1/20/2023 11:17

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: 22-3624S
Lab Project ID: 230229
SDG #: 0229-01
Matrix: Groundwater

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>	
Carbon Tetrachloride	<2.00	ug/L		1/20/2023	11:17
Chlorobenzene	<2.00	ug/L		1/20/2023	11:17
Chloroethane	<2.00	ug/L		1/20/2023	11:17
Chloroform	<2.00	ug/L		1/20/2023	11:17
Chloromethane	<2.00	ug/L		1/20/2023	11:17
cis-1,2-Dichloroethene	<2.00	ug/L		1/20/2023	11:17
cis-1,3-Dichloropropene	<2.00	ug/L		1/20/2023	11:17
Cyclohexane	<10.0	ug/L		1/20/2023	11:17
Dibromochloromethane	<2.00	ug/L		1/20/2023	11:17
Dichlorodifluoromethane	<2.00	ug/L		1/20/2023	11:17
Ethylbenzene	<2.00	ug/L		1/20/2023	11:17
Freon 113	<2.00	ug/L		1/20/2023	11:17
Isopropylbenzene	<2.00	ug/L		1/20/2023	11:17
m,p-Xylene	<2.00	ug/L		1/20/2023	11:17
Methyl acetate	<2.00	ug/L		1/20/2023	11:17
Methyl tert-butyl Ether	<2.00	ug/L		1/20/2023	11:17
Methylcyclohexane	<2.00	ug/L		1/20/2023	11:17
Methylene chloride	<5.00	ug/L		1/20/2023	11:17
Naphthalene	<5.00	ug/L		1/20/2023	11:17
n-Butylbenzene	<2.00	ug/L		1/20/2023	11:17
n-Propylbenzene	<2.00	ug/L		1/20/2023	11:17
o-Xylene	<2.00	ug/L		1/20/2023	11:17
p-Isopropyltoluene	<2.00	ug/L		1/20/2023	11:17
sec-Butylbenzene	<2.00	ug/L		1/20/2023	11:17
Styrene	<5.00	ug/L		1/20/2023	11:17
tert-Butylbenzene	<2.00	ug/L		1/20/2023	11:17
Tetrachloroethene	<2.00	ug/L		1/20/2023	11:17
Toluene	<2.00	ug/L		1/20/2023	11:17

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Method Blank Report

Client: Day Engineering, P.C.
Project Reference: 22-3624S
Lab Project ID: 230229
SDG #: 0229-01
Matrix: Groundwater

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>	
trans-1,2-Dichloroethene	<2.00	ug/L		1/20/2023	11:17
trans-1,3-Dichloropropene	<2.00	ug/L		1/20/2023	11:17
Trichloroethene	<2.00	ug/L		1/20/2023	11:17
Trichlorofluoromethane	<2.00	ug/L		1/20/2023	11:17
Vinyl chloride	<2.00	ug/L		1/20/2023	11:17

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
1,2-Dichloroethane-d4	102	81.1 - 136		1/20/2023	11:17
4-Bromofluorobenzene	93.0	75.8 - 132		1/20/2023	11:17
Pentafluorobenzene	104	82 - 132		1/20/2023	11:17
Toluene-D8	100	64.6 - 137		1/20/2023	11:17

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z14582.D
QC Batch ID: voaw230120
QC Number: Blk 1



PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.

Project Reference: 22-3624S

Lab Project ID: 230229

SDG #: 0229-01

Matrix: Groundwater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	%Rec Limits	LCS Outliers	Date Analyzed
1,1,1-Trichloroethane	20.0	ug/L	19.3	96.7	80 - 132		1/20/2023
1,1,2,2-Tetrachloroethane	20.0	ug/L	22.3	111	23.6 - 185		1/20/2023
1,1,2-Trichloroethane	20.0	ug/L	20.3	102	62.9 - 138		1/20/2023
1,1-Dichloroethane	20.0	ug/L	18.7	93.6	79.7 - 124		1/20/2023
1,1-Dichloroethene	20.0	ug/L	18.6	93.2	65.5 - 116		1/20/2023
1,2-Dichlorobenzene	20.0	ug/L	19.6	98.1	59 - 126		1/20/2023
1,2-Dichloroethane	20.0	ug/L	19.4	97.1	78.3 - 122		1/20/2023
1,2-Dichloropropane	20.0	ug/L	18.8	93.9	75.9 - 115		1/20/2023
1,3-Dichlorobenzene	20.0	ug/L	19.7	98.7	66.4 - 109		1/20/2023
1,4-Dichlorobenzene	20.0	ug/L	19.1	95.6	66.4 - 110		1/20/2023
Benzene	20.0	ug/L	19.1	95.7	81.6 - 114		1/20/2023
Bromodichloromethane	20.0	ug/L	18.4	92.2	77.8 - 116		1/20/2023
Bromoform	20.0	ug/L	21.6	108	47.9 - 153		1/20/2023
Bromomethane	20.0	ug/L	19.1	95.5	50.9 - 166		1/20/2023
Carbon Tetrachloride	20.0	ug/L	19.0	95.1	76.4 - 129		1/20/2023
Chlorobenzene	20.0	ug/L	20.5	103	77.2 - 106		1/20/2023

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.

Project Reference: 22-3624S

Lab Project ID: 230229

SDG #: 0229-01

Matrix: Groundwater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	%Rec Limits	LCS Outliers	Date Analyzed
Chloroethane	20.0	ug/L	18.6	93.1	49.9 - 159		1/20/2023
Chloroform	20.0	ug/L	18.5	92.4	84.5 - 122		1/20/2023
Chloromethane	20.0	ug/L	17.6	87.9	42.2 - 174		1/20/2023
cis-1,3-Dichloropropene	20.0	ug/L	18.4	91.8	68.8 - 122		1/20/2023
Dibromochloromethane	20.0	ug/L	20.3	101	65.7 - 133		1/20/2023
Ethylbenzene	20.0	ug/L	19.7	98.5	72.1 - 110		1/20/2023
Methylene chloride	20.0	ug/L	19.3	96.5	52.5 - 139		1/20/2023
Tetrachloroethene	20.0	ug/L	19.3	96.6	64.4 - 130		1/20/2023
Toluene	20.0	ug/L	19.4	97.0	62.9 - 125		1/20/2023
trans-1,2-Dichloroethene	20.0	ug/L	19.1	95.4	73.9 - 120		1/20/2023
trans-1,3-Dichloropropene	20.0	ug/L	19.3	96.3	57.1 - 131		1/20/2023
Trichloroethene	20.0	ug/L	19.9	99.4	73.4 - 122		1/20/2023
Trichlorofluoromethane	20.0	ug/L	18.7	93.4	62.2 - 147		1/20/2023
Vinyl chloride	20.0	ug/L	18.8	94.0	50.9 - 164		1/20/2023

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QC Report for Laboratory Control Sample

Client: Day Engineering, P.C.
Project Reference: 22-3624S
Lab Project ID: 230229
SDG #: 0229-01
Matrix: Groundwater

Volatile Organics

Analyte	Method Reference(s):	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
	EPA 8260C							
	EPA 5030C							
	Data File:							
	z14581.D							
	QC Number:							
	LCS 1							
	QC Batch ID:							
	voaw230120							

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Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"H" = Denotes a parameter analyzed outside of holding time.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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PARADIGM
ENVIRONMENTAL SERVICES

[illegible]

Turnaround Time	Report Supplements
Availability contingent upon lab approval; additional fees may apply.	
Standard 5 day	<div> <input checked="" type="checkbox"/> None Required <input type="checkbox"/> None Required </div>
10 day	<div> <input type="checkbox"/> Batch QC <input type="checkbox"/> Basic EDD </div>
Rush 3 day	<div> <input type="checkbox"/> Category A <input checked="" type="checkbox"/> NNSDEC EDD </div>
Rush 2 day	<div> <input type="checkbox"/> Category B <input type="checkbox"/> <i>renewal</i> </div>
Rush 1 day	
Other	<div> <input type="checkbox"/> Other <input type="checkbox"/> Other EDD </div>
please indicate date needed:	<div> <input type="text"/> please indicate EDD needed </div>

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

40C @ 1530 1/18/23
custody hear N/A SA 1/18/23

2 of 2



Chain of Custody Supplement

Client:

Day Eng.
230229

Completed by:

ZF

Lab Project ID:

Date:

1/18/23

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition		<i>NELAC compliance with the sample condition requirements upon receipt</i>		
		Yes	No	N/A
Container Type		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Comments			
Transferred to method-compliant container		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Comments			
Preservation		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Comments			
Chlorine Absent (<0.10 ppm per test strip)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Comments			
Holding Time		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Comments			
Temperature		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Comments	4°C		
Compliant Sample Quantity/Type		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Comments			