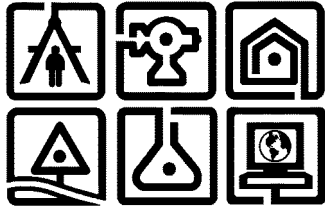


January 10, 2025



Phase II
Environmental Site Assessment
50 Raymond Avenue Site
Town of Poughkeepsie
Dutchess County, New York

NYSDEC Spill Nos. 2406901 & 2402735

Prepared for:

T.C. DEVELOPMENT CORP.
2515 South Road, 1st Floor
Poughkeepsie, New York 12601

Prepared by:

C.T. MALE ASSOCIATES
12 Raymond Avenue
Poughkeepsie, NY, 12603
(845)-454-4400

C.T. Male Project No: 24.5088

**PHASE II
ENVIRONMENTAL SITE ASSESSMENT REPORT
50 RAYMOND AVENUE SITE**

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1.0 INTRODUCTION

1.1 Project Background

This report presents the findings of a Phase II Environmental Site Assessment (ESA) conducted at the 50 Raymond Avenue Site, which is comprised of ten (10) parcels of land addressed 50 Raymond Avenue, Raymond Avenue (no number provided), 3-7 & 9 Collegeview Avenue and 10-18 Lagrange Avenue in the Town of Poughkeepsie, Dutchess County, New York.

The scope of services was developed based on the review of previous environmental reports (see Section 1.4) performed by C.T. Male Associates Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C. (C.T. Male). The previous environmental reports were prepared for the 50 Raymond Avenue parcel, the 18 Lagrange Avenue parcel; the 5-7 and 9 Collegeview Avenue parcels as well as an adjoining parcel at 60 Raymond Avenue.

Five (5) areas of concern (AOCs) were identified for the Site:

- AOC-1 - Historic use of the 50 Raymond Avenue parcel as a dry-cleaning facility, with elevated concentrations of Tetrachloroethene (PCE) and Trichloroethene (TCE) in sub-slab soil vapors. New York State Department of Environmental Conservation (NYSDEC) Spill No. 2402735 was reported as a result of these concentrations. Spill No. 2402735 remains open.
- AOC-2 - Elevated concentrations of PCE and TCE in sub-slab soil vapors for the parcel located at 5-7 Collegeview Avenue. The possibility exists for these concentrations in the sub-slab to be associated with the long-term operations of the dry-cleaning facility at 50 Raymond Avenue.
- AOC-3 - Potential residual petroleum contamination associated with a release at a former on-site fuel oil underground storage tank (UST; closed NYSDEC spill No. 0209962) at the 50 Raymond Avenue parcel. State cleanup standards are listed as not being met for this spill event.
- AOC-4 - Closed-in-place UST at 5-7 Collegeview Avenue without confirmatory analytical results at/near the water table.
- AOC-5 - Presence of historic fill material associated with existing and former structures at the Site (all Site parcels). Historic fill material has the potential to

contain elevated concentrations of heavy metals and semi-volatile organic compounds (SVOCs).

This Phase II ESA was conducted to evaluate these AOCs.

1.2 Site Configuration

The Site, as defined for the purpose of this Phase II ESA, encompasses ten (10) adjoining parcels on Collegeview Avenue, Lagrange Avenue, and Raymond Avenue in the Town of Poughkeepsie, Dutchess County, New York (see Figure 1 in Appendix A). The properties were identified on the Town of Poughkeepsie tax maps with tax map numbers identified in Table 1 below.

Table 1: Site Configuration

Address	Tax ID	Size (+/- acres)
Raymond Avenue (No number provided)	6161-12-817693	0.17
Raymond Avenue (No number provided)	6161-12-817688	0.14
50 Raymond Avenue	6161-12-818683	0.13
3-7 Collegeview Avenue	6161-12-834673	0.34
9 Collegeview Avenue	6161-12-841671	0.17
10 Lagrange Avenue	6161-12-825690	0.17
12 Lagrange Avenue	6161-12-830689	0.17
14 Lagrange Avenue	6161-12-835687	0.17
16 Lagrange Avenue	6161-12-840686	0.17
18 Lagrange Avenue	6161-12-845685	0.17
TOTAL AREA		1.80

Mixed use (commercial and residential) and residential use buildings exist on the Site parcels fronting Lagrange Avenue, Collegeview Avenue and Raymond Avenue. Of note, the 50 Raymond Avenue parcel is currently occupied by Gladmore Cleaners (southernmost portion of the building), a long-term dry-cleaning facility.

Electricity is supplied to the building at 50 Raymond Avenue by Central Hudson Gas & Electric. Municipal water and sewer services are provided by the Town of Poughkeepsie. The portion of the building occupied by Gladmore Cleaners on the 50 Raymond Avenue parcel is heated with hot air generated by an oil burner located in the boiler room at the ground floor. The fuel source of the oil burner is a 275-gallon unregistered above ground storage tank (AST) in the boiler room. Per a previous environmental report (see Section 1.3), this tank was installed in January 2003.

1.3 Previous Environmental Reports

The following previous environmental reports were reviewed by C.T. Male:

- Excerpt from a Phase I ESA by The Chazen Companies (TCC), dated January 15, 1997 for the Julliet Café and Billiards property (60 Raymond Avenue, off-site and adjoining parcel to the southwest);
- Indoor Air Sampling Summary Report by LaBella Associates, D.P.C. (LaBella), dated July 19, 2024 for the 50 Raymond Avenue parcel;
- Combined Phase I and Phase II ESA by Gallagher Bassett Technical Services (GBTS), dated September 15, 2024 for the 18 Lagrange Avenue; 5-7 and 9 Collegeview Avenue parcels; and,
- Combined Phase I and Phase II ESA by GBTS dated October 31, 2024 for the 50 Raymond Avenue parcel.

The TCC report identified the following recognized environmental conditions (RECs) relative to the Site:

- A dry-cleaning facility (Gladmore Dry Cleaning) at the 50 Raymond Avenue parcel.

The Indoor Air Sampling Summary Report for the 50 Raymond Avenue parcel completed by LaBella documented the following:

- Spill No. 2402735 was reported by LaBella as a result of the June 2024 soil vapor data. Spill No. 2402735 remains open.
- The LaBella Report did not identify exceedances of chlorinated solvents in indoor air above Air Guideline Values (AGVs).

LaBella recommended the design and installation of a sub-slab depressurization system (SSDS) to eliminate the potential for soil vapor intrusion into the 50 Raymond Avenue parcel building.

The Combined Phase I and Phase II ESA for the 18 Lagrange Avenue; 5-7 and 9 Collegeview Avenue properties by GBTS identified one (1) REC:

- Elevated levels of chlorinated solvents in on-site soil vapor in the building located at 5-7 Collegeview Avenue. GBTS recommended that an active SSDS be installed at 5-7 Collegeview Avenue parcel in order to minimize the risk of soil vapor intrusion.

This assessment also identified one (1) historical REC:

- Closed NYSDEC Spill No. 9511747 associated one (1) 1,000 gallon closed-in-place UST associated with the 3-7 Collegeview Avenue parcel. GBTS concluded that there are “no impacts to soils located in close proximity to the former UST” based on the Phase II investigation. It is noted that borings near the UST were extended to a maximum depth of 10 feet below ground surface (bgs) and not extended to the water table.

The Combined Phase I and Phase II ESA for 50 Raymond Avenue parcel by GBTS documented the following two (2) RECs:

- Potential releases associated with long-term on-site dry-cleaning activities, including documented chlorinated solvents in sub-slab vapor and an associated open NYSDEC spill event (Spill No. 2403735), and
- Potential residual petroleum contamination associated with a release at a former on-site fuel oil UST (closed NYSDEC Spill No. 0209962).

GBTS indicated that further work is required to delineate chlorinated solvent impacts to the subsurface and that vapor mitigation measures be implemented to minimize the risk of soil vapor intrusion. Furthermore, GBTS indicated that any residual impacts from the petroleum release associated with closed NYSDEC Spill No. 0209962 can be addressed using an SSDS.

Excerpts from the previous reports are included in Appendix B.

1.4 Project Scope

The Phase II ESA activities for this assessment included a utility/underground structure clearance utilizing a Ground Penetrating Radar (GPR); a subsurface investigation which included the advancement of nineteen (19) soil borings, eight (8) of which were converted to groundwater monitoring wells; the collection of soil samples for field vapor screening and laboratory analysis; and the collection of groundwater samples for laboratory analysis.

This Phase II ESA was conducted by C.T. Male as requested by Mr. David Kaminski of T.C. Development Corp.

2.0 METHOD OF PHASE II ESA INVESTIGATION

2.1 Utility/Underground Structure Clearance

Utility and underground structure clearance was performed via a GPR survey. The GPR survey was completed by East Coast Geophysics of Bensalem Pennsylvania, under the observation of C.T. Male on Monday, November 4, 2024. The GPR survey was conducted on both interior and exterior portions of the Site. The GPR survey focused on pre-clearing the areas of the Site where soil borings/monitoring wells were proposed, to assess the presence or absence of underground utilities, structures and USTs near sampling areas.

2.2 Soil Boring Locations and Drilling Method

Nineteen (19) soil boring locations were selected to assess the subject Site's soil and groundwater conditions to further investigate the identified AOCs (see Section 1.1). The soil borings were located as follows:

- Eight (8) soil borings were advanced in the vacant area north of 50 Raymond Avenue parcel (SB-02 to SB-05, and SB-14 to SB-17);
- Two (2) soil borings were advanced in the interior of the building located on the 50 Raymond Avenue parcel (SB-18 and SB-19);
- One (1) soil boring was advanced in the parcel immediately southwest of the 50 Raymond Avenue parcel at 60 Raymond Avenue (off-site, SB-20);
- Two (2) soil borings were advanced in the parcels immediately east of the 50 Raymond Avenue parcel at 10 and 12 Lagrange Avenue (SB-06 and SB-07, respectively); and,
- Six (6) soil borings were advanced in the southern parcels in the vicinity of the 50 Raymond Avenue parcel (SB-08 to SB-13) at 16 and 18 Lagrange Avenue and 3-7 & 9 Collegeview Avenue.

It is noted that proposed soil boring SB-01 was not advanced as a result of multiple underground utilities along the sidewalk adjoining the 50 Raymond Avenue parcel to the west (proposed location). Soil boring locations are depicted on the Sampling Locations Map included as Figure 2 in Appendix A.

The soil borings and their associated AOCs are tabulated in Table 2, below.

Table 2: Soil Borings Per Area of Concern

Area of Concern	Soil Boring
AOC-1	SB-02 to SB-07, and SB-18 to SB-20
AOC-2	SB-07 to SB-13
AOC-3	SB-05, SB-06, SB-19 and SB-20
AOC-4	SB-10
AOC-5	SB-03, SB-04, SB-06, SB-07, and SB-10 to SB-13

It is noted that soil borings SB-14 to SB-17 were not proposed under the original scope of work. SB-14 to SB-17 were advanced to assess potential petroleum impacts associated with USTs identified during the GPR survey in the vacant area north of 50 Raymond Avenue parcel (see Section 3.1).

Drilling activities were completed on November 4-5, 14-15, 18 and 25, 2024 by Core Down Drilling LLC of Brewster, New York. For the purpose of this investigation, Geoprobe drilling techniques were utilized. Both one-inch and two-inch diameter MacroCore samplers were advanced at continuous three, four, or five-foot intervals to the termination depths of the borings. The recovered soil samples were visually classified and recorded on individual subsurface exploration logs.

2.3 Soil Screening

Soil samples were collected from the soil borings for the purpose of field screening with a Photoionization Detector (PID) meter. Following the recovery of the soil samples from the soil borings, each sample was placed in a new, clean sealable plastic bag and then screened for the presence of detectable volatile organic compounds (VOCs) with a MiniRAE 3000 PID equipped with a 10.6 eV lamp. The PID meter was calibrated according to manufacturer recommendations prior to use.

2.4 Soil Sampling

Select soil samples were collected from the soil borings for laboratory analysis as indicated in Table 3, below. It is noted that the last two (2) numbers in the sample ID denote the depth at which the sample was collected (i.e. SB-02-10-15 denotes a sample collected from soil boring SB-02 from the 10-15 feet bgs depth interval).

Table 3: Laboratory Analyses

Sample IDs	Sample Depth (ft bgs)	Laboratory Analysis
SB-02-10-15	10-15	Target Compound List (TCL) of VOCs by USEPA Method 8260 Commissioner's Policy 51 (CP-51) List of SVOCs by USEPA Method 8270
SB-03-5-10	5-10	
SB-04-10-15	10-15	
SB-05-10-15	10-15	
SB-06-10-15	10-15	
SB-07-10-15	10-15	
SB-08-10-15	10-15	
SB-09-5-10	5-10	
SB-10-12.5-14.5	12.5-14.5	
SB-11-13-15	13-15	
SB-12-10-15	10-15	
SB-13-10-15	10-15	
SB-14-10-15	10-15	
SB-15-10-15	10-15	
SB-16-10-15	10-15	
SB-17-10-15	10-15	
SB-18-3-6	3-6	
SB-19-12-15	12-15	
SB-20-12-15	12-15	
SB-03-0-5	0-5	Target Analyte List (TAL) metals using USEPA Method 6010/7043
SB-04-0-5	0-5	
SB-06-0-5	0-5	
SB-07-0-5	0-5	
SB-10-0-2.5	0-2.5	
SB-11-0-5	0-5	
SB-12-0-5	0-5	
SB-13-0-5	0-5	

The soil samples from the borings were selected for laboratory analysis based on the results of the subjective soil screening activities. The soil samples were collected in new laboratory supplied glass jars while wearing new gloves. The samples were

placed in a cooler with ice and were forwarded under chain-of-custody to Pace Analytical Services, LLC, Inc. (Pace) of Westborough, Massachusetts.

2.5 Monitoring Well Installation and Development

Soil borings SB-04, SB-07, SB-08, SB-12, SB-16, SB-18, SB-19, and SB-20 were completed as permanent monitoring wells. Soil borings SB-18 and SB-19 were advanced in the interior of the 50 Raymond Avenue building, at ground and basement level, respectively. All other monitoring wells were installed in exterior portions of the Site. Groundwater monitoring well locations are depicted on the Sampling Locations Map included as Figure 2 in Appendix A.

Exterior and interior wells were constructed of two-inch and one-inch PVC casing, respectively, with 0.01-inch slotted PVC well screening. The screen interval for the monitoring wells was 10 to 20 feet below grade, with exception of MW-02, MW-06 and MW-07. MW-02 and MW-06 were screened from 5 to 15 feet below grade, and MW-07 was screened 8 to 18 feet below grade, based on the presence of groundwater. The annular space between the well screen and the borehole was backfilled with clean #2 silica sand and a bentonite seal ranging in thickness from one to three feet was poured above the sand. The annular space above the bentonite seal was then grouted with cement. Well casings were equipped with gripper caps and were finished with flush mounted covers.

Monitoring wells were developed on November 18, 19, 20 and 26, 2024. The wells were developed by purging a minimum of three (3) well volumes utilizing a disposable bailer or peristaltic pump.

2.6 Groundwater Sampling

Groundwater samples from MW-01 to MW-08 (see Table 4, in Section 3.4) were collected on November 18, 19, 20, and 26, 2024. Prior to sampling, the water levels were recorded in each well from the top of the PVC casing utilizing a water level meter. The wells were sampled after three (3) consecutive 5-minute readings whereby the parameters meet the criteria listed in USEPA low stress sampling guidance document. If the formation could not support low-flow rates, the wells were purged dry and then groundwater within the wells was allowed to recover to at least 80% of their initial static water level. Groundwater samples were then collected using a disposable bailer or peristaltic pump.

The groundwater samples were collected in new laboratory supplied glass jars while wearing new gloves utilizing the disposable bailers or peristaltic pump. New sampling tubing and/or bailers were used at each of the well locations.

The groundwater samples were submitted for laboratory analysis for TCL VOCs by EPA Method 8260 and CP-51 SVOCs by EPA Method 8270. The samples were placed in a cooler with ice and transported following proper chain of custody protocols.

2.7 Decontamination

To preclude the potential for cross contamination between the soil boring locations, drilling tools and sampling equipment that would contact the site soils and groundwater were decontaminated prior to the start of the drilling activities and between boring locations utilizing a detergent/water wash and tap water rinse. Soil and groundwater samples were handled with a new pair of nitrile gloves to deter cross contamination of the soil and groundwater samples collected for screening and/or laboratory analysis.

3.0 FINDINGS OF THE PHASE II ESA INVESTIGATION

3.1 Utility/Underground Structure Clearance

Multiple underground utilities were identified along the eastern sidewalk along Raymond Avenue, proximate to the 50 Raymond Avenue building.

The GPR identified three (3) anomalies in the northwestern portion of the Site, in the vacant area north of 50 Raymond Avenue parcel. The anomalies border the northern exterior wall of the 50 Raymond Avenue building. According to the GPR technician, the two (2) westernmost anomalies are consistent with the structure of USTs. The GPR technician noted that the easternmost anomaly did not resemble that of a UST. The nature of this structure could not be identified. A map depicting the location of these underground structures is provided as Figure 2, Appendix A.

3.2 Soil Conditions at Boring Locations

Generally, a layer of fill was encountered in the uppermost portion of the soil borings, ranging from the ground surface to 5-10 feet bgs. The fill consisted of fine to coarse sand, with varying amounts of fine to medium angular gravel, and traces of silt. Fragments of brick and concrete were observed in soil borings SB-02, SB-03, SB-04, SB-07, SB-14, SB-15, and SB-16. Underlying this layer of fill lies well sorted brown fine and medium sands, with varying amounts of silt. Based on field observation and regional information, these soils are interpreted to be glaciolacustrine deposits. Shale was encountered at 9 feet bgs at SB-09. Bedrock was encountered between 20 and 25 feet bgs in soil borings SB-04, SB-06, SB-08, SB-09 and SB-10. Subsurface Exploration Logs are provided in Appendix C.

3.3 Soil Screening Results

Elevated PID readings and evidence of petroleum-related impacts were identified in two (2) soil borings, SB-16 (near a presumed UST in the vacant area north of the 50 Raymond Avenue building) and SB-19 (inside the 50 Raymond Avenue building).

Grey staining and petroleum-type odors were documented at SB-16 (14 feet bgs), and SB-19 (from 11.5 to 16 feet bgs). A peak PID reading of 516.6 parts per million (ppm) was documented at SB-19 (12-15 feet bgs), and a less elevated PID reading of 211 ppm at SB-16 (10-15 feet bgs).

On the basis of the elevated PID readings coupled with the petrochemical related odors and staining, the NYSDEC spill hotline was called and notified of these findings. Spill No. 2406901 was assigned to the 50 Raymond Avenue parcel.

No other field evidence of contamination or elevated PID readings above 8.9 ppm were documented in remaining soil boring locations.

The Organic Vapor Headspace Analysis Log is included in Appendix D.

3.4 Groundwater Conditions

Groundwater conditions were assessed during the collection of groundwater samples in November 2024. Petrochemical type odors and sheens were documented in the groundwater from MW-05 and MW-07 (associated with soil borings SB-16 and SB-19, respectively). MW-05 and MW-07 also exhibited elevated PID readings of 9.1 ppm and 37.4 ppm, respectively. All other monitoring wells exhibited PID readings at or below 0.1 ppm. No other field evidence of contamination was documented in remaining wells.

The height of each PVC inside the well casing was surveyed to a vertical accuracy of 0.01 foot prior to sampling activities, with the exception of MW-08. MW-08 was not installed at the time of the survey. A survey prepared by the LRC Group indicating well elevations is presented as Exhibit 1. Groundwater depths from the top of the PVC were recorded during groundwater sampling activities. Surveyed elevations, in conjunction with groundwater depths, were used to determine relative groundwater elevations. Groundwater elevations are presented in Table 4, below.

Table 4: Groundwater Elevations

MW ID/SB ID	Elevation ¹ (feet)	Depth to Groundwater from top of PVC (feet)	Groundwater Elevation (feet)
MW-01/SB-12	173.49	12.18	161.31
MW-02/SB-08	173.47	11.65	161.82
MW-03/SB-07	174.20	12.20	162.00
MW-04/SB-04	174.53	11.80	162.73
MW-05/SB-16	174.67	12.00	162.67
MW-06/SB-18 ²	169.47	6.61	162.86
MW-07/SB-19	175.25	12.04	163.21
MW-08/SB-20	Not Surveyed	10.71	Not Available

¹ Elevations from top of PVC as recorded in the LRS Survey. Datum not recorded.

² Monitoring well installed in the basement of the 50 Raymond Avenue building.

Based on this information, the general groundwater flow direction in the area where the Phase II ESA activities were conducted is to the east, towards the Casperkill Creek.

The Monitoring Well Construction Logs are included in Appendix E.

4.0 ANALYTICAL RESULTS

4.1 Soil

Soil samples were analyzed for TCL VOCs by EPA Method 8260 and CP-51 SVOCs by EPA Method 8270. CP-51 SVOCs is a subset of SVOCs known as Polycyclic Aromatic Hydrocarbons (PAHs). Select samples at shallow depths were analyzed for TAL metals by EPA Method 6010/7043.

Laboratory results for organic compounds detected in soils are compared to NYSDEC Remedial Program Soil Cleanup Objectives (SCOs) for Unrestricted Use (UU) and Restricted-Residential Use (RRU) as provided in 6 NYCRR Subpart 375, Tables 375-6.8(a) and 375-6.8(b).

VOCs

No exceedances above UU or RRU SCOs for VOCs were detected in the soil samples analyzed. PCE was detected above the laboratory's reporting limits but below UU and RR SCOs in all soil boring locations except SB-09, SB-19, and SB-20 (ranging from 0.00037 mg/kg to 0.0079 mg/kg). PCE was not detected above the laboratory's reporting limit at SB-09, SB-19, and SB-20. TCE was detected in soil borings SB-06, SB-07, SB-09, SB-10, SB-11, SB-12, SB-13, SB-16, and SB-20 (ranging from 0.00025 mg/kg to 0.0029 mg/kg). TCE was not detected above the laboratory's reporting limit in remaining samples.

Benzene was detected above the laboratory's reporting limit but below UU and RR SCOs at SB-09. Chloroform was detected above the laboratory's reporting limits, but below UU and RR SCOs at SB-12. Three (3) VOCs (Ethylbenzene, Isopropylbenzene and Methyl cyclohexane) were detected above the laboratory's reporting limits, but below UU and RR SCOs at SB-19. It is noted that Acetone was not detected above the laboratory's reporting limit at SB-19 (0.74 mg/kg), however, the laboratory's reporting limit is above the UU SCO for Acetone (0.5 mg/kg). Based on this, the possibility exists for Acetone to be present above UU SCOs. Three (3) VOCs (1,4-Dichlorobenzene, cis-1,2-Dichloroethene and Acetone) were detected above the laboratory's reporting limits, but below UU and RR SCOs at SB-20. No other VOCs were detected above the laboratory's reporting limit in the soil samples analyzed.

PAHs

No exceedances above UU or RRU SCOs for PAHs were detected in the soil samples analyzed. Six (6) PAHs were detected above the laboratory's reporting limits, but below UU and RR SCOs at SB-13. Eight (8) PAHs were detected above the laboratory's reporting limits, but below UU and RR SCOs at SB-19. No other PAHs were detected above the laboratory's reporting limit in the soil samples analyzed.

TAL Metals

An exceedance of copper above the RRU SCO (270 mg/kg) was detected at SB-12 (986 mg/kg). No other exceedances above RRU SCOs for TAL metals were detected in remaining soil samples.

Several exceedances of arsenic, lead, mercury, silver and zinc above UU SCOs but below RRU SCOs were detected at SB-06, SB-07, SB-10, SB-12 and SB-13.

Metals detected above UU SCOs at SB-06 are summarized as follows:

- Lead was detected at a concentration of 193 mg/kg (UU SCO, 63 mg/kg).
- Mercury was detected at a concentration of 0.4 mg/kg (UU SCO, 0.18 mg/kg).
- Zinc was detected at a concentration of 148 mg/kg (UU SCO, 109 mg/kg).

Nineteen (19) additional TAL metals were detected above the laboratory's reporting limits at SB-06, but below UU and RR SCOs.

Metals detected above UU SCOs at SB-07 are summarized as follows:

- Lead was detected at a concentration of 79.7 mg/kg (UU SCO, 63 mg/kg).

Nineteen (19) additional TAL metals were detected above the laboratory's reporting limits at SB-07, but below UU and RR SCOs.

Metals detected above UU SCOs at SB-10 are summarized as follows:

- Arsenic was detected at a concentration of 14.9 mg/kg (UU SCO, 13 mg/kg).
- Lead was detected at a concentration of 135 mg/kg (UU SCO, 63 mg/kg).

Nineteen (19) additional TAL metals were detected above the laboratory's reporting limits at SB-10, but below UU and RR SCOs.

Metals detected above UU SCOs at SB-012 are summarized as follows:

- Lead was detected at a concentration of 376 mg/kg (UU SCO, 63 mg/kg).

- Mercury was detected at a concentration of 0.282 mg/kg (UU SCO, 0.18 mg/kg).
- Silver was detected at a concentration of 2.12mg/kg (UU SCO, 2 mg/kg).
- Zinc was detected at a concentration of 349 mg/kg (UU SCO, 109 mg/kg).

Sixteen (16) additional TAL metals were detected above the laboratory's reporting limits at SB-12, but below UU and RR SCOs.

Metals detected above UU SCOs at SB-013 are summarized as follows:

- Lead was detected at a concentration of 78.8 mg/kg (UU SCO, 63 mg/kg).

Nineteen (19) additional TAL metals were detected above the laboratory's reporting limits at SB-13, but below UU and RR SCOs.

No other exceedances above UU SCOs for TAL metals were detected in SB-03, SB-04 and SB-11. Several TAL metals were detected above the laboratory's reporting limits at SB-03, SB-04 and SB-11, but below UU and RR SCOs.

A Soil Sample Results Summary Table is presented in Appendix F. Full analytical results for the soil samples are presented in Appendix G.

4.2 Groundwater

Laboratory results for all compounds detected in water are compared to NYSDEC Division of Water Ambient Water Quality Standards and Guidance Values (AWQS), provided in Technical and Operational Guidance Series 1.1.1. Groundwater samples were analyzed for TCL VOCs by EPA Method 8260 and CP-51 SVOCs by EPA Method 8270.

VOCs

Exceedances of PCE above AWQS (5 µg/l) were detected in six (6) of the eight (8) groundwater monitoring wells. PCE was detected at a concentration of 15 µg/l in MW-01 (peak concentration), 11 µg/l in MW-02, 13 µg/l in MW-03, 11 µg/l in MW-04, 9.8 µg/l in MW-05, and 7 µg/l in MW-08. PCE was detected at concentrations below AWQS at remaining monitoring wells MW-06 and MW-07, with detections of 0.55 µg/l and 3.5 µg/l, respectively.

TCE was detected below AWQS (5 µg/l) in five (5) of the eight (8) monitoring wells. TCE was detected at a concentration of 2.8 µg/l in MW-01 (peak concentration), 1.1 µg/l in MW-02, 0.18 µg/l in MW-05, 0.49 µg/l in MW-07, and 0.88 µg/l in MW-08. TCE was not detected at concentrations above the laboratory's reporting limit at remaining monitoring wells MW-03, MW-04 and MW-06.

Two (2) additional VOCs (Chloroform and Isopropyl benzene) were detected below AWQS at MW-01, MW-02, MW-03 and MW-07. Chloroform was detected at a concentration of 1.4 µg/l in MW-02 (peak concentration), 1.2 µg/l at MW-01, and 1.1 µg/l in MW-03. Isopropyl benzene was detected at a concentration of 1.4 µg/l in MW-07. Chloroform and Isopropyl benzene were not detected at concentrations above the laboratory's reporting limit at remaining monitoring wells. No other VOCs were detected above the laboratory's reporting limit in the groundwater samples analyzed.

PAHs

Exceedances of six (6) PAHs above AWQS were detected in three (3) of the eight (8) groundwater monitoring wells at MW-05, MW-06 and MW-08.

PAHs detected above AWQS at MW-05 are summarized as follows:

- Benzo(a)anthracene was detected at a concentration of 0.07 µg/l (AWQS, 0.002 µg/l).
- Benzo(a)pyrene was detected at a concentration of 0.05 µg/l (AWQS, 0 µg/l).
- Benzo(b)fluoranthene was detected at a concentration of 0.05 µg/l (AWQS, 0.002 µg/l).
- Benzo(k)fluoranthene was detected at a concentration of 0.05 µg/l (AWQS, 0.002 µg/l).
- Chrysene was detected at a concentration of 0.05 µg/l (AWQS, 0.002 µg/l).
- Indeno(1,2,3-cd)pyrene was detected at a concentration of 0.05 µg/l (AWQS, 0.002 µg/l).

Remaining PAHs were detected above the laboratory's reporting limits at MW-05, but below AWQS.

PAHs detected above AWQS at MW-06 are summarized as follows:

- Benzo(a)anthracene was detected at a concentration of 0.03 µg/l (AWQS, 0.002 µg/l).

Remaining PAHs were detected above the laboratory's reporting limits at MW-06, but below the applicable regulatory standards.

PAHs detected above AWQS at MW-08 are summarized as follows:

- Benzo(b)fluoranthene was detected at a concentration of 0.03 µg/l (AWQS, 0.002 µg/l).
- Indeno(1,2,3-cd)pyrene was detected at a concentration of 0.04 µg/l (AWQS, 0.002 µg/l).

Remaining PAHs were detected above the laboratory's reporting limits at MW-08, but below AWQS.

PAHs detected above the laboratory's reporting limits, but below AWQS at MW-07 are summarized as follows:

- Acenaphthene was detected at a concentration of 3.9 µg/l (no corresponding AWQS standard/guidance value)
- Acenaphthylene was detected at a concentration of 0.7 µg/l (AWQS, 20 µg/l).

- Fluorene was detected at a concentration of 5.6 µg/l (AWQS, 50 µg/l).
- Phenanthrene was detected at a concentration of 1.9 µg/l (AWQS, 50 µg/l).
- Pyrene was detected at a concentration of 0.15 µg/l (AWQS, 50 µg/l).

No other PAHs were detected above the laboratory's reporting limit in groundwater samples for monitoring wells MW-05, MW-06, MW-07 and MW-08.

No PAHs were detected above the laboratory's reporting limit in the groundwater samples for monitoring wells MW-01, MW-02, MW-03 and MW-04.

A Groundwater Sample Results Summary Table is presented in Appendix F. Full analytical results for the groundwater samples are presented in Appendix H.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

A Phase II ESA has been conducted at the 50 Raymond Avenue Site in relation to AOCs identified by C.T. Male (see Section 1.1). The Phase II ESA included utility/underground structure clearance utilizing a GPR, and a subsurface investigation which included the advancement of nineteen (19) soil borings of which eight (8) were converted to monitoring wells; the collection of soil samples for field vapor screening and laboratory analysis; and the collection of groundwater samples for laboratory analysis.

Two (2) anomalies consistent with USTs were identified on the Site during the GPR survey. A third anomaly was identified; however, the nature of this structure could not be identified by the GPR survey. The GPR survey was performed in areas of proposed sampling and not the entire Site. Please note that the GPR survey is a field method used to identify anomalies which may or may not represent USTs, utility lines or other buried structures/vessels, and further, if anomalies are not identified such a result is not a guarantee that USTs or other features do not exist beneath the Site.

The soils within the subject Site and to the depths explored (up to 25 feet bgs) consisted primarily of fill, comprised of coarse sand, fine to medium angular gravel, and fragments of brick and concrete, over well sorted brown fine and medium sands, with varying amounts of silt. Petrochemical related odors, sheens and/or elevated PID readings were identified in the soils recovered from the soil borings SB-16 and SB-19, near one of the presumed USTs and inside the 50 Raymond Avenue building, respectively. On the basis of the elevated PID readings coupled with the petrochemical related odors and staining, the NYSDEC spill hotline was called and notified of these findings. Spill No. 2406901 was assigned to the 50 Raymond Avenue parcel.

Groundwater was encountered from approximately 6.61 feet bgs (at basement level) to 12.20 feet bgs (at grade) during groundwater sampling activities. Groundwater flow in the vicinity of the where the Phase II ESA activities were conducted is to the east. Petrochemical type odors, sheens and elevated PID readings were documented in groundwater from monitoring wells MW-05 and MW-07 (corresponding to soil boring SB-16 and SB-19, respectively).

No exceedances above UU or RRU SCOs for VOCs or PAHs were detected in the soil samples analyzed. PCE was detected above the laboratory's reporting limits but below UU or RR SCOs in all soil boring locations except SB-09, SB-19, and SB-20. TCE was detected in soil borings SB-06, SB-07, SB-09, SB-10, SB-11, SB-12, SB-13, SB-16, and SB-20. An exceedance of copper above RRU SCO (270 mg/kg) was detected at SB-12 (986 mg/kg). Several exceedances of arsenic, lead, mercury, silver and zinc above UU SCOs were detected at SB-06, SB-07, SB-10, SB-12 and SB-13.

Exceedances of PCE above AWQS (5 µg/l) were detected in six (6) of the eight (8) groundwater monitoring wells. Exceedances of six (6) PAHs above AWQS were detected in three (3) of the eight (8) groundwater monitoring wells at MW-05, MW-06 and MW-08.

The source of PCE contamination in groundwater is likely the result of long-term dry-cleaning operations at the 50 Raymond Avenue parcel. Elevated concentrations of PCE are present throughout several parcels, and cross- and downgradient from the presumed source. The potential exists for PCE contamination in groundwater to extend off-site. Due to the nature of PCE having a greater density than water, PCE will tend to sink in the presence of water. For this reason, the possibility exists for PCE to be present at greater depths than those explored during this Phase II ESA investigation and potentially into bedrock.

The source of PAHs contamination in groundwater at/near the 50 Raymond Avenue parcel is likely the result of a petroleum release associated with the identified USTs north of the 50 Raymond Avenue parcel or residual petroleum contamination associated with the release at a former on-site fuel oil UST related to closed NYSDEC Spill No. 0209962). This PAH contamination appears to be localized to the northern portion of the Site.

It is noted that petroleum impacts were not identified in the analytical data or screening of subsurface soils near/at the water table in close proximity to the closed-in-place UST at 5-7 Collegeview Avenue (AOC-4). This information in conjunction with data presented in the GBTS report (see Section 1.3), supports the conclusion that impacts from this former UST are not likely to be significant.

The source of TAL metals impact is likely due to the presence of historic fill material associated with existing and former structures at the Site.

5.2 Recommendations

Based on the above conclusions, and information and data presented in this Phase II ESA Report, the subject Site's groundwater is impacted by chlorinated solvents and soils are impacted by TAL metals at concentrations exceeding applicable regulatory standards and guidance values.

Environmental impacts have not been fully defined for AOC-1, AOC-2, AOC-3, AOC-5, and for the area north of the 50 Raymond Avenue parcel with newly identified potential USTs. Additional information to define nature and extent of contamination, potential remedial approaches and additional response actions is warranted. Additional investigation should include a vapor intrusion assessment of on-site buildings, and groundwater sampling. Identified USTs should be properly assessed, closed and investigated to assess subsurface impacts. Future redevelopment of the Site will be impacted by these environmental conditions.

As two (2) active spills are listed for 50 Raymond Avenue parcel, this report should be provided to Mr. Alex Malamet of the NYSDEC (alexander.malamet@dec.ny.gov) for review and comment.

The findings and conclusions of this Phase II ESA represent the site conditions as disclosed through the investigations performed at the time completed, and may not be representative of the entire Site. No other warranties expressed or implied are made. If you have any questions regarding this report, please contact this office at (845) 454-4400.

Respectfully submitted,
C.T. MALE ASSOCIATES

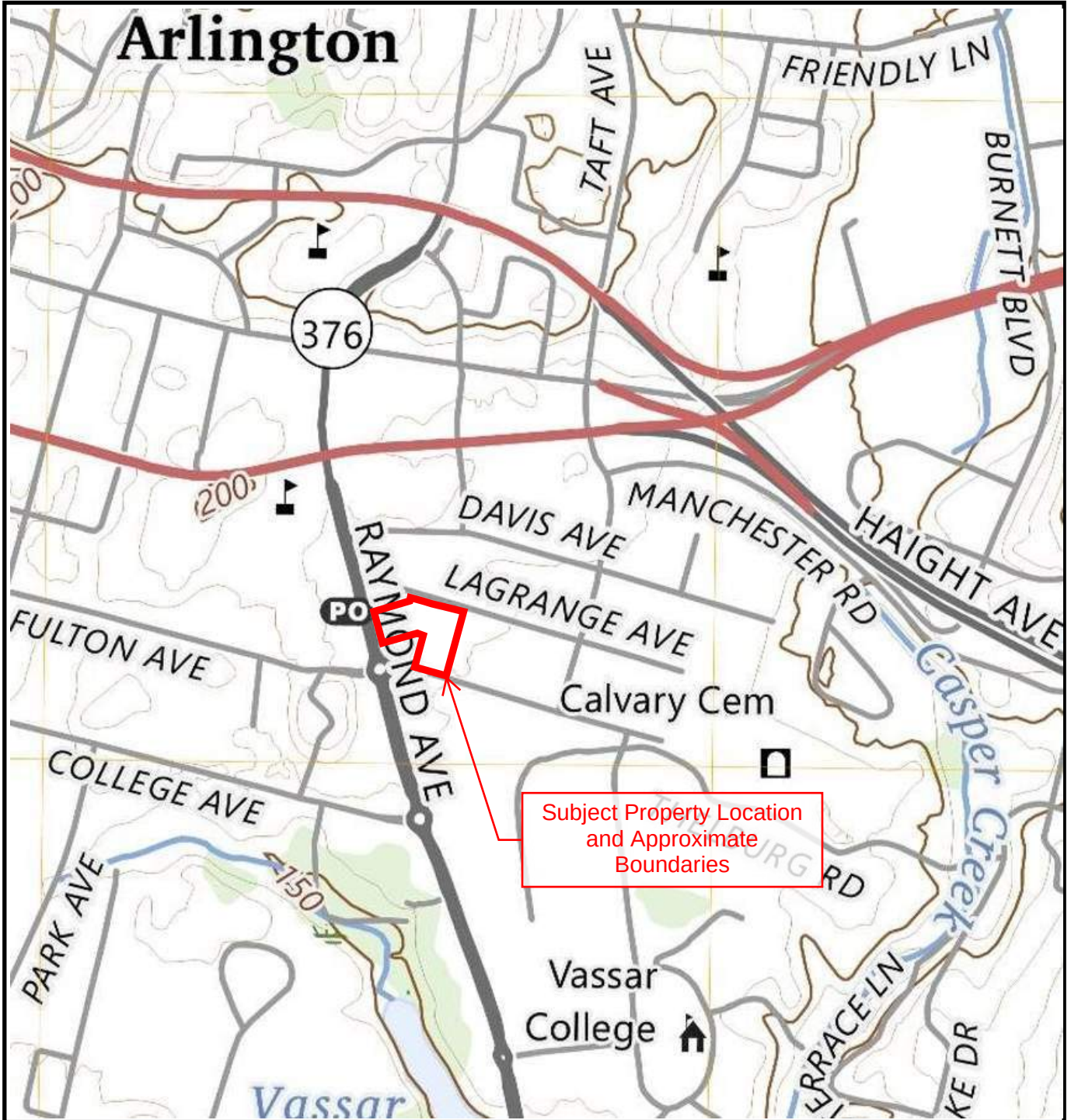


Rosaura Andújar-McNeil, P.E.
Environmental Engineer/Project Manager

\\LA-BACKUP\SAN\ProjectsData\Projects\245088\Env\Phase II ESA Report\R 50 Raymond Avenue Phase II ESA
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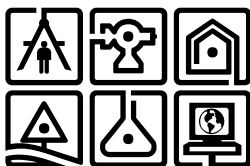
APPENDIX A

Figures/Maps



MAP REFERENCE

United States Geological Survey
7.5 Minute Series Topographic Map
Quadrangles: Poughkeepsie, NY
Date: 2023



C.T. MALE ASSOCIATES

ENGINEERING, SURVEYING, ARCHITECTURE
LANDSCAPE ARCHITECTURE & GEOLOGY, D.P.C.

50 CENTURY HILL DRIVE
LATHAM, NY 12110

FIGURE 1 - SUBJECT PROPERTY LOCATION MAP

TOWN OF POUGHKEEPSIE

DUTCHESS COUNTY, NY

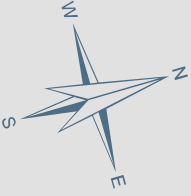
SCALE: 1:24,000±

DRAFTER: ER

PROJECT No.: 24.5088

The locations and features depicted on
this map are approximate and do not
represent an actual survey.





Project Number: 24.5088
Data Source: NYSGIS Clearinghouse
Projection: NAD 1983 StatePlane
New York East FIPS 3101 (US Feet)
Date: December 4, 2024
File: 245088_50_Raymond_Ave.aprx
GIS: C. Bondi

Legend

 Soil Boring Locations	 Approximate Site Boundary
 Monitoring Well Locations	 Dry Cleaner Property
 Underground Structures	

0204080120

 FT

1 in =40 ft

FIGURE 2: Sampling Location Map 50 Raymond Ave Site

Town of Poughkeepsie

Dutchess County, NY

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.
50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299



APPENDIX B

Previous Environmental Reports Excerpts

5.0 INFORMATION FROM SITE RECONNAISSANCE AND INTERVIEWS

5.1 Hazardous Substances in Connection with Identified Uses

No hazardous substances in connection with identified uses were observed on the property during the site investigation.

5.2 Hazardous Substance Containers and Unidentified Substance Containers

Three 55 gallon industrial storage drums were located behind The Beech Tree Grill during the site investigation. These drums are used to store grease from the restaurant and are labeled as such. The basement of the Juliet Cafe and Billiards space contains approximately 20 containers of paints, lacquers and other such materials. These containers are mostly one gallon in size. No other hazardous substance containers were identified on the property during the site investigation.

5.3 Storage Tanks

There are a total of nine above ground fuel oil storage tanks located on the property, with a combined total capacity of 2,475 gallons. One underground fuel oil tanks, located behind the Cobbablu Bakery, is of an unknown size.

Seven fill and vent ports associated with oil storage tanks are visible from the outside of the building. One set is located in the alleyway behind the Cobbablu Bakery & Cafe. The fill port is approximately 15 feet away from the building and is believed to be for an underground tank. Four sets of fill and vent ports are located in a small opening leading to the basement of Foreign Affairs, The Three Arts and Stimpson's House of Nutrition. The space occupied by Stimpson's House of Nutrition was once two separate spaces. For this reason, Stimpson's House of Nutrition has two front entrances and two sets of oil tank fill and vent ports. One set of fill and vent ports are located at the entranceway to Julie Cafe and Billiards, another is located at the northwest corner of the building. There is one outdoor 275 gallon aboveground oil storage tank located at the northeast corner of The Beech Tree Grill Restaurant. This tank is used to store #2 fuel oil.

Four 275 gallon oil storage tanks are located in the basement of the Juliet Cafe & Billiards building. One tank is clearly abandoned with disconnected lines. One tank, located at the Northwestern corner, appears to be approximately 1/2 full. It is not know if this tank is in service or abandoned. Two 275 gallon tanks, located at the Southwestern corner of the basement, are in service.

There is one abandoned, empty 275 gallon fuel oil storage tank located at the Southern end of the basement of the Three Arts store.

There is one 275 gallon fuel oil storage tank located at the Southern end of the Western section of the basement of the House of Nutrition store. This tank is in service, supplying a furnace located in the Eastern section of the basement. There is also one abandoned 275 gallon fuel oil storage tank located in the Eastern section of the basement.

There is an empty, apparently abandoned fuel oil storage tank located at the Southern end of The Beech Tree Grill basement.

5.4 Polychlorinated Biphenyls (PCBs)

No pad-mounted transformers likely to contain PCBs were observed on the property during the site investigation.

5.5 Indications of Solid Waste Disposal

Solid wastes generated at the subject property are temporarily stored in five dedicated receptacles located in the alleyway behind the building.

5.6 Asbestos Containing Materials (ACM)

The Chazen Companies (TCC) performed a limited, non-invasive sampling of suspected asbestos containing materials (ACM). Materials must contain less than one percent asbestos to be considered non-asbestos containing. Sampled materials were analyzed by polarized light microscopy (PLM). Non-Friable Organically Bound Materials (NOBs) such as floor tiles and mastics were gravimetrically reduced and analyzed by PLM. Negative results of NOBs must be confirmed by transmission electron microscopy (TEM) analysis.

Not all suspected materials could be sampled during the site investigation. The building currently has built-up roofing which is considered to be suspect due to the age of the building. This material was not sampled to avoid causing damage that would result in leaks. Some interior materials, such as plaster and ceiling tiles, were not sampled to avoid aesthetic damages. Ceiling tiles present in the Juliet Cafe and Billiards space are believed to have been installed in 1991 and are not likely to contain asbestos. Other materials, such as the former theater ceiling was not accessible during the site investigation.

A breakdown of the different kinds of materials sampled and the percentage of asbestos they contain are as follows:

5.6.3 Miscellaneous Materials

Samples of mortar, fiberboard and suspected transite were taken from the former theater projector room. An additional mortar sample was taken from a wall in The Beech Tree Grill. These mortar samples are representative of the mortar used in construction through the entire building. A sample of ceramic tile was also taken from the kitchen of The Beech Tree Grill.

The former theater ceiling (now hidden by a false ceiling) is surfaced with a similar fiberboard as that sampled from the projector room. The fiberboard on the theater ceiling was unreachable during the site investigation and could not be sampled or adequately compared to that from the projector room. The amount of fiberboard found in the projector room composes approximately 30 ft². The amount of fiberboard located on the theater ceiling is not known. The transite material occupies approximately 120 ft².

Sample results:

Sample ID	Material	Location	% Asbestos
1-1	Transite	Theater Projector Rm	26.66%
2-1-1	Mortar	Theater Projector Rm	None Detected
3-1	Fiberboard	Theater Projector Rm	None Detected
10-1-A	Ceramic Tile	Beech Tree Kitchen	None Detected
14-1-1	Mortar	Beech Tree Wall	None Detected

5.6.4 Non-Friable Organically Bound (NOB) Materials

Two mastic samples were taken from the kitchen of The Beech Tree Grill. The gray mastic was used to secure the ceramic tiles to the floor, and occupy approximately 75 ft². The black mastic was used at a time after the installation of the tiles for patching and was found to contain less than 1% chrysotile asbestos.

Sample results:

Sample ID	Material	Location	% Asbestos
10-1-B	Gray Mastic	Beech Tree Kitchen	None Detected
11-1	Black Mastic	Beech Tree Kitchen	Trace

6.0 FINDINGS AND CONCLUSIONS

The Chazen Companies have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-94 of the

Juliet Cafe and Billiards property, located at 60 Raymond Avenue, Poughkeepsie, New York. Any exceptions to, or deletions from, this Practice are described in Section 2.4 of this report.

Except for the following, the investigation has revealed no signs of recognized environmental conditions regarding the subject property:

- There are fill and vent pipes protruding from the ground behind the Cobbablu Bakery which indicate that there may be an underground storage tank on the property. The cap on the fill pipe indicates that the tank holds fuel oil. The size, age, integrity and general condition of this tank are not known.
- There are currently three abandoned above ground 275 gallon oil storage tanks located on the property. These tanks are located in the basements of the Juliet Cafe and Billiards, The Three Arts and The Beech Tree Grill.
- Several materials which were suspected to be asbestos containing materials (ACM) were sampled and tested. The laboratory results indicate that there is ACM thermal system insulation located in the basements of the Juliet Cafe and Billiards, and The Beech Tree Grill. Asbestos containing transite paneling was also found in the former projector room of the Juliet Cafe and Billiards space. Some of these materials are damaged and deteriorating in condition.
- Gladmore dry cleaning, located on an adjacent property to the north on Raymond Avenue currently performs dry cleaning functions on-site. The waste handling practices of this facility are not known. Although no releases have been reported to the NYSDEC as having occurred at this site, due to it's proximity to the subject property a future release of hazardous materials at this site has the potential to impact the subject property.
- A review of the NYSDEC List of Leaking Underground Storage Tanks revealed that three such sites exist within 0.5 mile of the subject property. Further investigation by TCC has revealed that one of these releases occurred above-ground and is identified in the database as Vassar east. This release reportedly occurred on December 16, 1995 at 5-7 Collegeview Avenue as the result of a tank test failure.

An underground gasoline storage tank located approximately 0.35 mile southeast of the subject property failed a tightness test in March of 1989.

In September of 1988, an underground gasoline storage tank located approximately 0.4 mile northwest of the subject property was overfilled. The overfill resulted in a small amount of material being spilled onto the ground surface.

None of the above reported releases are thought to have impacted the subject property.

- A listing of RCRIS Hazardous Waste Generators was reviewed and indicates that three RCRIS generators are located within 0.25 mile of the subject property and are identified as MAACO Auto Painting & Body Works (located approximately 0.17 miles northwest), AAMCO Transmissions (located approximately 0.24 miles northwest) and Arlington Cleaners (located approximately 0.24 miles northeast). These sites are not likely to pose a threat to the subject property.

7.0 Recommendations

- There are currently three clearly abandoned above ground 275 gallon fuel oil storage tanks located on the property. It is recommended that these tanks be removed from the property.
- There are fill and vent pipes protruding from the ground behind the Cobbablu Bakery which indicate that there may be an underground storage tank on the property. The cap on the fill pipe indicates that the tank holds fuel oil. The size, age, integrity and general condition of this tank are not known. It is recommended that this tank be tested for tightness.
- Several materials which were suspected to be asbestos containing materials (ACM) were sampled and tested. The laboratory results indicate that there is ACM thermal system insulation located in the basements of the Juliet Cafe and Billiards, and The Beech Tree Grill. Asbestos containing transite paneling was also found in the former projector room of the Juliet Cafe and Billiards space. Some of these materials are damaged and deteriorating in condition. It is recommended that an Operations and Maintenance (O&M) Plan be established to repair damaged ACM and maintain its condition. Another abatement alternative is to have the materials removed from the property.



TECHNICAL SERVICES

**COMBINED PHASE I AND PHASE II
ENVIRONMENTAL SITE ASSESSMENT**

**18 Lagrange Avenue; 5-7 and 9 Collegeview Avenue
Town of Poughkeepsie, Dutchess County, New York**

**Tax IDs: Section 6161, Block 12
Lots 845685, 834673 and 841671**

September 15, 2023

GBTS Project: 22003-0109

22 IBM Road – Suite 101
Poughkeepsie, NY 12601
O: 845-452-1658
www.gallagherbassett.com

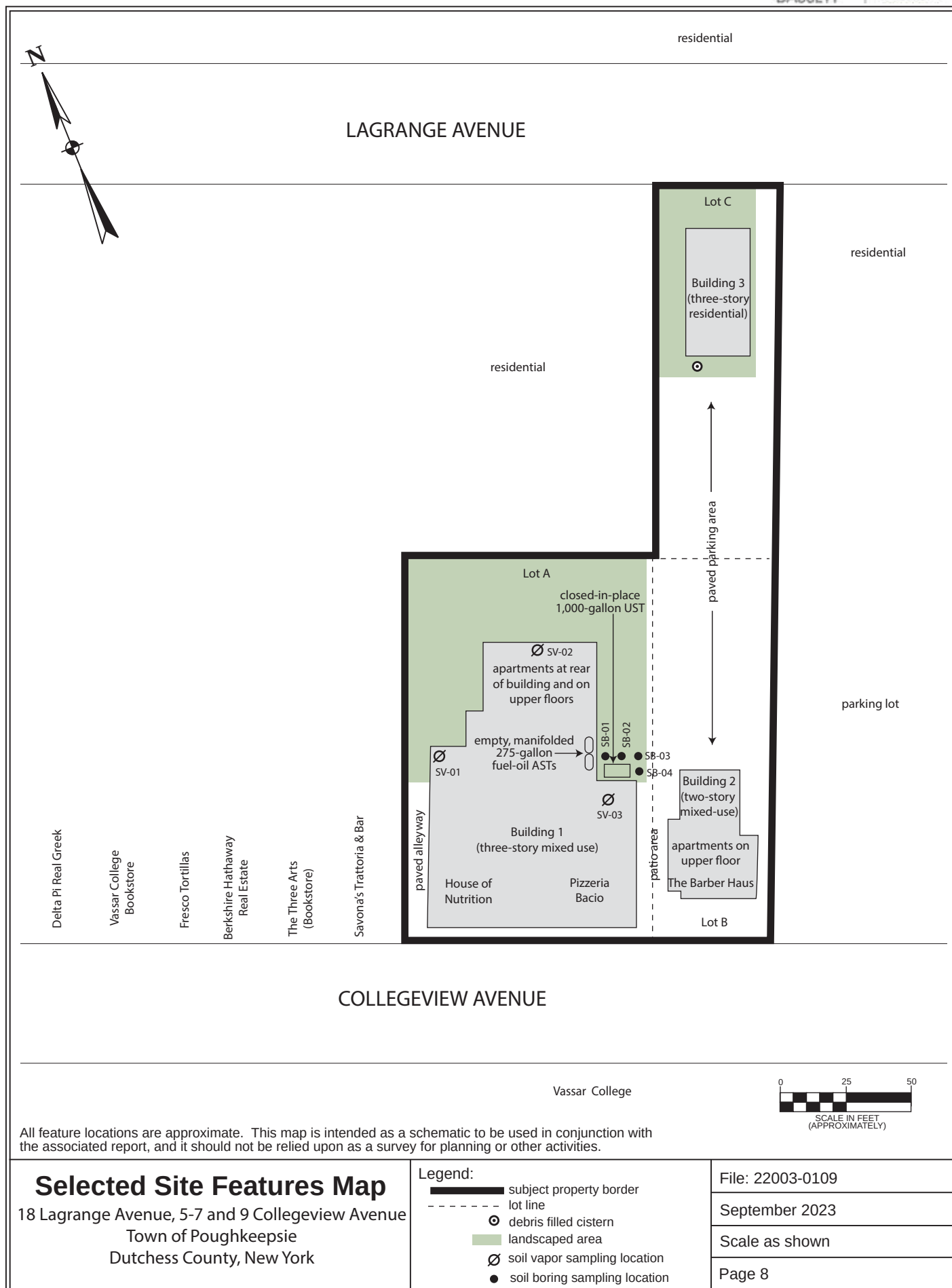


Table 1: Petroleum Compounds in Soils

GBTS Project: 22003-0109

Sample Date Dilution			SB-01 7-8		SB-02 7-9		SB-03 7-9		SB-04 7-9	
			2023-08-17		2023-08-17		2023-08-17		2023-08-17	
			1		1		1		1	
VOCs, 8260			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,2,4-trimethylbenzene	3.6	52	0.0032	U	0.0025	U	0.0025	U	0.0027	U
1,3,5-trimethylbenzene	8.4	52	0.0032	U	0.0025	U	0.0025	U	0.0027	U
benzene	0.06	4.8	0.0032	U	0.0025	U	0.0025	U	0.0027	U
ethyl benzene	1	41	0.0032	U	0.0025	U	0.0025	U	0.0027	U
isopropylbenzene	2.3	100	0.0032	U	0.0025	U	0.0025	U	0.0027	U
methyl tert-butyl ether (MTBE)	0.93	100	0.0032	U	0.0025	U	0.0025	U	0.0027	U
naphthalene	12	100	0.0032	U	0.0025	U	0.0025	U	0.0027	U
n-butylbenzene	12	100	0.0032	U	0.0025	U	0.0025	U	0.0027	U
n-propylbenzene	3.9	100	0.0032	U	0.0025	U	0.0025	U	0.0027	U
o-xylene	0.26	100	0.0032	U	0.0025	U	0.0025	U	0.0027	U
p- & m- xylenes	0.26	100	0.0032	U	0.0025	U	0.0025	U	0.0027	U
p-isopropyltoluene	10	NA	0.0032	U	0.0025	U	0.0025	U	0.0027	U
sec-butylbenzene	11	100	0.0032	U	0.0025	U	0.0025	U	0.0027	U
tert-butylbenzene	5.9	100	0.0032	U	0.0025	U	0.0025	U	0.0027	U
toluene	0.7	100	0.0032	U	0.0025	U	0.0025	U	0.0027	U
xylenes, total	0.26	100	0.0032	U	0.0025	U	0.0025	U	0.0027	U
Sample Date Dilution			SB-01 5-10		SB-02 5-10		SB-03 5-10		SB-04 5-10	
			2023-08-17		2023-08-17		2023-08-17		2023-08-17	
			2		2		2		2	
SVOCs, 8270			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
acenaphthene	20	100	0.046	U	0.046	U	0.048	U	0.048	U
acenaphthylene	100	100	0.046	U	0.046	U	0.048	U	0.048	U
anthracene	100	100	0.046	U	0.046	U	0.048	U	0.048	U
benzo(a)anthracene	1	1	0.046	U	0.046	U	0.048	U	0.048	U
benzo(a)pyrene	1	1	0.046	U	0.046	U	0.048	U	0.048	U
benzo(b)fluoranthene	1	1	0.046	U	0.046	U	0.048	U	0.048	U
benzo(g,h,i)perylene	100	100	0.046	U	0.046	U	0.048	U	0.048	U
benzo(k)fluoranthene	0.8	3.9	0.046	U	0.046	U	0.048	U	0.048	U
chrysene	1	3.9	0.046	U	0.046	U	0.048	U	0.048	U
dibenzo(a,h)anthracene	0.33	0.33	0.046	U	0.046	U	0.048	U	0.048	U
fluoranthene	100	100	0.046	U	0.046	U	0.048	U	0.048	U
fluorene	30	100	0.046	U	0.046	U	0.048	U	0.048	U
indeno(1,2,3-cd)pyrene	0.5	0.5	0.046	U	0.046	U	0.048	U	0.048	U
naphthalene	12	100	0.046	U	0.046	U	0.048	U	0.048	U
phenanthrene	100	100	0.046	U	0.046	U	0.048	U	0.048	U
pyrene	100	100	0.046	U	0.046	U	0.048	U	0.048	U

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: VOCs in Soil Vapor
GBTS Project: 22003-0109

All data in $\mu\text{g}/\text{m}^3$ <i>U= Not Detected $\geq$ value</i>	Sample ID	SV-01		SV-02		SV-03	
	Sample Date	2023-08-17		2023-08-17		2023-08-17	
	Dilution Factor	1		1		1	
VOCs, TO-15		Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1-trichloroethane		1.09	U	1.09	U	1.09	U
1,1,2,2-tetrachloroethane		1.37	U	1.37	U	1.37	U
1,1,2-trichloroethane		1.09	U	1.09	U	1.09	U
1,1-dichloroethane		0.809	U	0.809	U	0.809	U
1,1-dichloroethene		0.793	U	0.793	U	0.793	U
1,2,4-trichlorobenzene		1.48	U	1.48	U	1.48	U
1,2,4-trimethylbenzene		10.3		15.3		16.9	
1,2-dibromoethane		1.54	U	1.54	U	1.54	U
1,2-dichlorobenzene		1.2	U	1.2	U	1.2	U
1,2-dichloroethane		0.809	U	0.809	U	0.809	U
1,2-dichloropropane		0.924	U	0.924	U	0.924	U
1,3,5-trimethylbenzene		2.14		3.38		3.82	
1,3-butadiene		0.442	U	0.442	U	0.442	U
1,3-dichlorobenzene		1.2	U	1.2	U	1.2	U
1,4-dichlorobenzene		1.2	U	1.2	U	1.2	U
1,4-dioxane		0.721	U	0.721	U	0.721	U
2,2,4-trimethylpentane		0.934	U	1.46		1.54	
2-butanone		2.1		5.13		5.72	
2-hexanone		0.82	U	0.82	U	1.5	
3-chloropropene		0.626	U	0.626	U	0.626	U
4-ethyltoluene		2.43		3.59		4.12	
4-methyl-2-pentanone		2.05	U	2.05	U	2.05	U
acetone		21.5		29.5		51.3	
benzene		0.821		1.03		0.942	
benzyl chloride		1.04	U	1.04	U	1.04	U
bromodichloromethane		1.34	U	1.34	U	1.47	
bromoform		2.07	U	2.07	U	2.07	U
bromomethane		0.777	U	0.777	U	0.777	U
carbon disulfide		0.623	U	1.59		0.623	U
carbon tetrachloride		1.26	U	1.26	U	1.26	U
chlorobenzene		0.921	U	0.921	U	0.921	U
chloroethane		0.528	U	0.528	U	0.528	U
chloroform		97.2		41.2		79.1	
chloromethane		0.413		0.413	U	0.997	
cis-1,2-dichloroethene		0.793	U	0.793	U	0.793	U
cis-1,3-dichloropropene		0.908	U	0.908	U	0.908	U
cyclohexane		21.2		28.2		36.1	
dibromochloromethane		1.7	U	1.7	U	1.7	U
dichlorodifluoromethane		2.57		2.45		2.28	
ethanol		32.4		28.6		171	
ethyl acetate		1.8	U	1.8	U	1.92	
ethylbenzene		48.6		73		96.4	
freon-113		1.53	U	1.53	U	1.53	U
freon-114		1.4	U	1.4	U	1.4	U
heptane		0.82	U	1.04		1.17	
hexachlorobutadiene		2.13	U	2.13	U	2.13	U
isopropanol		2.46		3.32		659	E
methyl tert butyl ether		0.721	U	0.721	U	0.721	U
methylene chloride		3.47		1.74	U	1.74	U
n-hexane		0.705	U	0.959		1.17	
o-xylene		42.7		65.2		79.5	
p/m-xylene		285		414		486	
styrene		0.852	U	0.852	U	1.15	
tertiary butyl alcohol		2.36		2.22		1.52	U
tetrachloroethene		48.2		292		51.6	
tetrahydrofuran		1.47	U	2.18		1.66	
toluene		12.8		20.8		28.5	
trans-1,2-dichloroethene		0.793	U	0.793	U	0.793	U
trans-1,3-dichloropropene		0.908	U	0.908	U	0.908	U
trichloroethene		3.37		39.6		1.23	
trichlorofluoromethane		2.16		1.4		1.33	
vinyl bromide		0.874	U	0.874	U	0.874	U
vinyl chloride		0.511	U	0.511	U	0.511	U
Detected concentrations							
Relatively elevated concentrations							

Notes: NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank

5.0 FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

Gallagher Bassett Technical Services (GBTS) performed a Combined Phase I and Phase II Environmental Site Assessment in conformance with the scope and limitations of ASTM E 1527-21 to identify recognized environmental conditions (RECs), historical RECs (HRECs) and/or other significant environmental liabilities resulting from or associated with the storage, use, transport, or disposal of hazardous or regulated materials at the property located at 18 Lagrange Avenue, and 5-7 and 9 Collegeview Avenue, Town of Poughkeepsie, Dutchess County, New York. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this report.

Identified RECs are presented in Section 4.1. GBTS's findings, conclusions and recommendations regarding RECs, other potential environmental liabilities associated with the property, and de minimis conditions are presented in Sections 4.2 through 4.5.

5.1 Recognized Environmental Conditions

Significant Data Gaps

The Environmental Professionals preparing this report have not identified any significant data gaps that affect their ability to identify RECs.

Overview of Identified RECs

This assessment has revealed evidence of the following REC in connection with the property:

- Elevated levels of chlorinated solvents in on-site soil vapor – Section 5.2

This assessment has revealed evidence of the following HREC in connection with the property.

- One closed NYSDEC spill event – Section 5.3

5.2 Site History

Available historical information documents residential use of the subject property as early as 1913 and small commercial use as early as 1950 (no evidence of industrial or other significant commercial use of the property was found during the review of historical records).

No further investigation of historical records is recommended.

The potential exists that debris from the demolition of former on-site structures may be present in the subsurface (such debris could contain lead, asbestos, or other regulated materials).

Any future development activities at the property should be conducted with an awareness of the potential presence of subsurface debris and provision should be made for the proper management of any materials that warrant special handling.

The nearby property at 50 Raymond Avenue (present-day Gladmore Cleaners, located approximately 60 feet northwest), has likely contained a dry cleaning facility since as early as 1937. In response to this historical finding, GBTS conducted a Phase II subsurface investigation at Lot A to screen for any impacts from chlorinated solvents. Laboratory data identified peak levels of tetrachloroethene (PCE; 292 $\mu\text{g}/\text{m}^3$) and trichloroethene (TCE; 39.6 $\mu\text{g}/\text{m}^3$), solvents associated with dry cleaning activities, beneath the building slab, potentially indicating a historical release from the dry cleaner. This contamination is considered a REC.

It is recommended that an active sub-slab depressurization system be installed at 5-7 Collegeview Avenue in order to minimize the risk of soil vapor intrusion.

5.3 Review of Regulatory Records

Lot A of the subject property was identified as the site of closed NYSDEC spill number 9511747, which was reported due to a tank test failure, and is considered a HREC. According to documentation provided by the property owner, a 1,000-gallon underground storage tank (UST) at Lot A passed a subsequent tank test and was closed-in-place circa November 1996 (residual liquids were pumped from the tank and disposed off-site). A Phase II subsurface investigation by GBTS indicated no impacts to soils located in close proximity to the former UST. These findings support the conclusion that impacts from the former UST and closed spill event, if any, are likely to be minimal. No other relevant releases or other significant environmental activities were identified in regulatory records for the subject property and nearby sites.

No further investigation of regulatory records is recommended.

5.4. Relevant Site Observations and General Concerns

Three disconnected fuel oil aboveground storage tanks (ASTs) are located at the subject property.

It is recommended that all ASTs be removed from the subject property.

Small quantities common cleaning and maintenance materials are stored on site.

It is recommended that cleaning and maintenance materials be properly stored.

Debris is present in a cistern on Lot C. None of these debris materials were judged to pose a threat to the environmental integrity of the subject property.

It is recommended that debris materials be disposed off-site.

5.5 Non-scope Considerations

Asbestos-containing materials (ACM) and lead-based paint (LBP) may be present at the subject property.

Any suspect material at the subject property should be tested for asbestos or lead, or, in the absence of analytical data, be treated as though it contained asbestos or lead.

Elevated concentrations of radon may be present at the subject property.

It is recommended that radon testing be conducted at the on-site structures.



July 19, 2024

KNC Management, Inc.
c/o Meghan Mossey, Levine & Levine, PLLC
50 Raymond Avenue
Poughkeepsie, NY 12603

**Re: Indoor Air Sampling Summary Report
50 Raymond Avenue, Poughkeepsie, NY
Gladmore Cleaners Site – NYSDEC Spill No. 2402735
LaBella Project No. 2243037**

Dear Ms. Mossey,

LaBella Associates, D.P.C. (“LaBella”) has prepared this report to summarize the results of an indoor air assessment that was performed at 50 Raymond Avenue, Town of Poughkeepsie, Dutchess County, New York, hereinafter referred to as the “Site.”

PROJECT BACKGROUND

LaBella was retained to provide environmental consulting services at the Site following receipt of results from a sub-slab vapor sampling event performed by a consultant for an outside party. In June 2024, Gallagher Bassett Technical Services (GBTS) collected samples from four (4) locations within the first-floor slab-on-grade portion of the Site building. Analytical results from each of the sub-slab vapor locations indicated elevated concentrations of tetrachloroethene (PCE) and trichloroethene (TCE). The PCE concentrations ranged from 10 to 5,200 $\mu\text{g}/\text{m}^3$ and TCE concentrations ranged from 6.8 to 11,000 $\mu\text{g}/\text{m}^3$, which are concentrations that warrant mitigation. On behalf of the owner, LaBella notified the New York State Department of Environmental Conservation (NYSDEC) of the findings on June 25, 2024, and Spill No. 2402735 was assigned to the Site. NYSDEC requested indoor air sampling be conducted to evaluate air quality within the structure, recognizing that this sampling would be performed outside of the heating season, which is when indoor air sampling should be conducted to be consistent with NYS Department of Health (NYSDOH) guidance. Steps were immediately taken to initiate that effort and this letter-report summarizes the results of the investigation.

The Site consists of a two-story brick building with a small partial basement in the northwestern building footprint and finished attic. Based on available information, it appears the original two-story residence was expanded prior to 1950 for commercial use, with additions on both the first and second floor. The building is currently comprised of three (3) first/ground floor tenant spaces (Gladmore Cleaners, New Nelly Restaurant, and Twisted Soul Desserts), two vacant commercial units on the second floor, and a vacant unit in the finished attic on the third level.

SCOPE OF WORK

Indoor air quality (IAQ) sampling was performed between July 2 and 3, 2024 in accordance with LaBella’s “*Environmental Consulting Services and Indoor Air Sampling*” proposal dated June 26, 2024. The day before conducting the sampling, LaBella received floor plans that identified a

basement; this additional information warranted an adjustment to our sampling approach. LaBella reallocated a sample canister that was planned for use as a duplicate to be used to collect a basement air sample.

LaBella initially performed a walkthrough of the site to identify sample locations and potential interferences. Prior to sample collection, LaBella staff completed an inventory and monitored indoor air with a photoionization detector (PID) that presents readings in parts per billion (ppb). Results were recorded on the New York State Department of Health (NYSDOH) "Indoor Air Quality Questionnaire and Building Inventory" form, that is included as **Attachment 1**.

The highest PID readings (400 to 500 ppb) were detected in the general area of a 55-gallon drum of "Intense" brand alternative dry-cleaning solvent and related one-gallon soaps and detergents, and readings of 10 to 20 ppb were detected in the general area of 100-lb containers of "Nutra-Sour" powdered laundry sour and Tiger Comb Bleach products. LaBella reviewed the Safety Data Sheet (SDS) of the "Intense" brand solvent that confirmed the absence of PCE and its daughter products.

Observations made during the walkthrough and inventory were taken into consideration when selecting final sample locations. Locations avoided areas where the presence or use of oils and chemicals could potentially interfere with sample analysis and the laboratory's ability to achieve sufficiently low reporting limits.

LaBella staff collected a total of six (6) samples in 6-liter SUMMA®-type canisters equipped with 24-hour flow regulators, including five (5) indoor air (IA) samples and one (1) outdoor ambient (OA) air sample. Sample information is presented in the table below. Using Teflon-lined tubing, samples were collected three to five (3-5) feet above the floor surface to represent the breathing zone. Sample locations were spaced throughout the Site building to evaluate conditions in different tenant spaces, as described in the following table. No sample was collected in the finished attic space.

Sample ID	Sample Type	Tenant Space	Building Level
50Ray-B	Indoor Air	Beneath New Nelly Restaurant	Basement
50Ray-A	Indoor Air	Gladmore Cleaners (Break Room)	First Floor
50Ray-C	Indoor Air	Twisted Soul Desserts	First Floor
50Ray-D	Indoor Air	New Nelly's Restaurant	First Floor
50Ray-E	Indoor Air	Former Tattoo Voodoo space	Second Floor (southern unit)
50Ray-F	Outdoor Air	N/A	Outdoor Air

To reduce the potential for sample interference over the 24-hour period, the OA canister was placed in the northern second-story unit near a north-facing window. LaBella extended Teflon tubing out the window down to a collection height of approximately six feet above the ground surface outside the Site building.

The six (6) samples were collected concurrently, and the flow valves were closed approximately 24 hours after initiating sample collection. Samples were submitted for analysis of Volatile Organic Compounds (VOCs) by EPA Method TO-15 under standard chain-of-custody procedures to York Analytical Laboratories, Inc. of Stratford, CT. Canisters were picked up at LaBella's Poughkeepsie office by laboratory courier and a rush (3-5 day) turnaround time was requested on the analysis. York Analytical Laboratories, Inc. is certified by the National Environmental Laboratory Accreditation Conference (NELAC) and holds certification in New York, New Jersey, Connecticut, and Pennsylvania.



LABORATORY ANALYTICAL RESULTS

The IAQ results, along with June 2024 sub-slab vapor results, were compared to the NYSDOH Decision Matrices as per their Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006, with amendments). The attached tables include a summary of the analytical results for the July IAQ sampling event, as well as the June 2024 sub-slab sampling event. Data is presented in **Table 1** (Decision Matrix Compounds only) and **Table 2** (Non-Matrix VOCs). Sample locations and a summary of PCE and TCE results are depicted on **Figure 1**, overlaid on a Site Plan provided to LaBella.

The analytical results for the July 2024 IAQ sampling reported VOCs above laboratory detection limits. The basement air sample (50Ray-B) exhibited PCE at 4.0 µg/m³ and TCE at 0.97 µg/m³. First floor IA concentrations of PCE ranged from 1.4 to 3.5 µg/m³ and TCE ranged from 0.17 to 1.2 µg/m³. PCE was reported at 0.69 µg/m³ on the second floor and TCE was not detected above method detection limits. Indoor air concentrations of PCE and TCE were less than their respective NYSDOH Air Guideline Values (AGVs), of 30 µg/m³ and TCE of 2 µg/m³, which were established to be protective of public health.

GBTS sample SV-01, closest to Raymond Avenue, also exhibited Benzene at elevated concentrations (950 µg/m³) where mitigation would be recommended; however, indoor air concentrations for Benzene were at or below background concentrations in outdoor air.

IAQ results reported the presence of 18 other compounds in indoor air that do not have associated NYSDOH guidance values. In general, these concentrations were relatively low and consistent with commercial conditions and/or outdoor air (background) concentrations. Of these compounds, acetone was the most elevated, with indoor air concentrations ranging from 14 to 310 µg/m³. The laboratory report identified acetone in the outdoor air sample (50Ray-F) at 9,300 µg/m³. Elevated acetone was also reported by Gallagher Bassett in sub-slab vapor sample SV-01 at 1,600 µg/m³. The source of the acetone cannot be confirmed; however, acetone is not listed in the ingredients section of the Safety Data Sheet for the Intense Solvent.

The full laboratory report is provided as **Attachment 2**.

DISCUSSION AND RECOMMENDATIONS

LaBella prepared a comparison of existing GBTS and LaBella data to NYSDOH guidance matrixes and the comparison indicates the following:

- Although indoor air concentrations of PCE and TCE were less than NYSDOH AGVs, sub-slab vapor results alone identified PCE and TCE at concentrations above “Mitigate” thresholds at the Site building. NYSDOH recommends mitigation for sites where TCE concentrations in sub-slab vapor are greater than 60 µg/m³ and PCE concentrations are greater than 1,000 µg/m³. Additionally, elevated concentrations of 1,1-Dichloroethylene (1,1-DCE) trigger a Mitigate recommendation.
- The concentrations in GBTS sample SV-01, closest to Raymond Avenue, identified Benzene at a concentration also warranting mitigation; however, this compound was not reported in indoor air above background levels. Spill #0209962 was reported at the site in 2003 for a release of 150 gallons of #2 fuel oil from a storage tank, which was subsequently closed. It is possible that petroleum VOCs are related to that spill.

Based on a review of the results, LaBella offers the following recommendations:



Since sub-slab vapor data identified concentrations of PCE and TCE above mitigation guidance values, LaBella recommends design and installation of a sub-slab depressurization system (SSDS) to eliminate the potential for soil vapor intrusion into the building and satisfy NYSDOH requirements.

- The extent of subsurface impacts related to historical release of dry-cleaning solvents is unknown; therefore, LaBella recommends submitting this report to NYSDEC and scheduling further discussion regarding appropriate next steps for Spill 2402735.

If you have any questions regarding this transmittal, please do not hesitate to contact me at (838) 946-5170.

Respectfully submitted,
LABELLA ASSOCIATES, D.P.C.



Caroline Bardwell
Sr. Project Manager

cc: Arlette St. Romain, LaBella

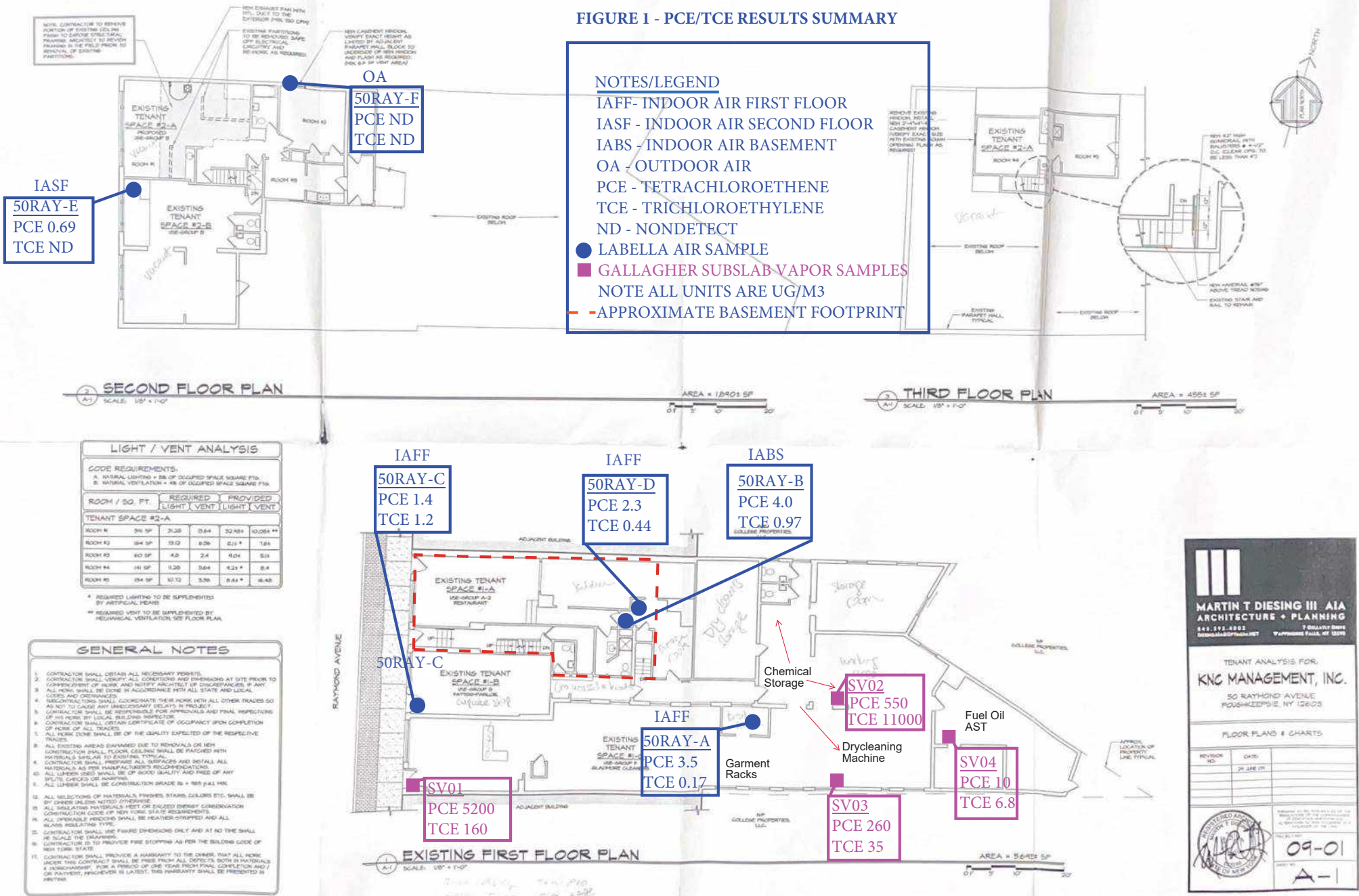
w/Attachments



Figure 1
PCE/TCE Results Summary



FIGURE 1 - PCE/TCE RESULTS SUMMARY



MARTIN T. DIESING III, AIA
ARCHITECTURE + PLANNING
545.512.4885
martindiesing@aia.net

TENANT ANALYSIS FOR:
KNC MANAGEMENT, INC.
50 RAYMOND AVENUE
POUGHKEEPSIE, NY 12603

FLOOR PLANS & CHARTS

REVISION NO.	DATE	BY	CHKD BY
1	09-01		

09-01
A-1

Analytical Summary Tables



Table 1: Summary of Matrix VOC Results in Indoor Air and Sub-slab Vapor
50 Raymond Ave
Poughkeepsie, NY

Sample Date	NYSDOH Matrix (1)	NYSDOH Sub-slab Vapor Matrix Values (3)	NYSDOH Indoor Air Matrix Values (2,3)	6/7/2024	6/7/2024	6/7/2024	6/7/2024	7/2/2024	7/2/2024	7/2/2024	7/2/2024	7/2/2024	7/2/2024
Tenant Location				Gladmore Cleaners	Gladmore Cleaners	Gladmore Cleaners	Gladmore Cleaners	Gladmore Cleaners	Basement Area	Desserts	Restaurant	Second Floor Area	Outdoor
Consultant				Gallagher Bassett	Gallagher Bassett	Gallagher Bassett	Gallagher Bassett	LaBella	LaBella	LaBella	LaBella	LaBella	LaBella
Sample Media				Sub-slab Vapor	Sub-slab Vapor	Sub-slab Vapor	Sub-slab Vapor	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Outdoor Air
Sample ID				SV-01	SV-02	SV-03	SV-04	50Ray-A	50Ray-B	50Ray-C	50Ray-D	50Ray-E	50Ray-F
Analyte	Units	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³
Carbon tetrachloride	Matrix A	< 6	< 0.2	23	4	0.46	0.47	0.35	0.4	0.37	0.46	0.37	0.35
Trichloroethylene		6 to 60	0.2 to 1.0	160	11000	35	6.8	0.17	0.97	1.2	0.44	ND at 0.11	ND at 0.12
1,1-Dichloroethylene		≥ 60	≥ 1.0	16	ND at 6.3	ND at 0.72	ND at 0.74	ND at 0.079	ND at 0.089	ND at 0.073	ND at 0.081	ND at 0.084	ND at 0.091
cis-1,2-Dichloroethylene				25	1800	2.7	14	ND at 0.079	ND at 0.089	ND at 0.073	ND at 0.081	ND at 0.084	ND at 0.091
1,1,1-Trichloroethane	Matrix B	< 100	< 3	33	ND at 8.7	ND at 0.99	ND at 1	0.43	ND at 0.49	ND at 0.40	ND at 0.45	ND at 0.58	ND at 0.50
Methylene Chloride		100 to 1000	3 to 10	19	ND at 11	ND at 1.3	ND at 1.3	0.69	0.87	0.97	2.5	0.85	ND at 0.64
Tetrachloroethylene		≥ 1000	≥ 10	5200	550	260	10	3.5	4	1.4	2.3	0.69	ND at 0.62
Vinyl Chloride	Matrix C	< 6 6 to 60 ≥ 60	< 0.2 ≥ 0.2	8.6	ND at 4.1	ND at 0.47	ND at 0.48	ND at 0.10	ND at 0.11	ND at 0.094	ND at 0.10	ND at 0.11	ND at 0.12
Benzene	Matrix D	< 60 60 to 600 ≥ 600	< 2 ≥ 2	950	ND at 5.1	0.64	0.66	0.28	0.32	0.31	0.97	ND at 0.27	0.79
Ethylbenzene				290	58	83	2.4	ND at 0.35	ND at 0.39	1.9	1.8	0.59	1.4
Naphthalene				ND at 93	ND at 84	ND at 9.5	ND at 9.8	ND at 0.83	ND at 0.94	ND at 0.77	1.8	ND at 0.89	1.2
Cyclohexane				42	ND at 5.5	2.1	ND at 0.64	ND at 0.27	ND at 0.31	0.3	ND at 0.28	ND at 0.29	ND at 0.32
Isooctane (2,2,4-Trimethylpentane)				33.2	3.73	3.15	0.524	0.3	0.25	0.41	0.57	0.32	2.1
1,2,4-Trimethylbenzene				150	17	23	1.5	0.39	0.44	0.47	2.9	1.8	0.72
1,3,5-Trimethylbenzene				53	ND at 7.9	7.7	ND at 0.92	ND at 0.39	ND at 0.44	ND at 0.36	1	0.66	ND at 0.45
o-Xylene				180	56	78	1.3	0.35	0.43	1.5	3.2	1.3	1.8
m,p-Xylenes	Matrix E	< 200	< 6	590	210	320	3.4	0.79	1.2	5.2	8.4	2.7	6
Heptane		200 to 2000	> 20	80	ND at 6.5	ND at 0.75	1	ND at 0.33	0.66	ND at 0.30	0.87	ND at 0.35	ND at 0.38
Hexane		≥ 2000		110	ND at 5.6	ND at 0.64	1.2	ND at 0.28	ND at 0.32	ND at 0.26	0.58	ND at 0.30	0.74
Toluene	Matrix F	< 300 300 to 3000 ≥ 3000	< 10 > 50	290	ND at 6	3.8	3	0.87	13	1.4	2.8	0.92	6.1

Notes:

Concentrations in micrograms per cubic meter (ug/m³)

"ND" indicates the concentration was not detected above the reporting limit

(1) *New York State Department of Health (NYSDOH), Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, October 2006 and subsequent updates. [Note: This Guidance uses a combination of indoor air and sub-slab soil vapor when comparing to the matrices. In addition, for compounds not listed in the matrices an overall site approach is employed which utilizes the USEPA BASE Database (see 2. below) as typical background for commercial buildings and also uses the outdoor air sample, refer to Guidance document for details.]

(2) USEPA Building Assessment and Survey Evaluation (BASE) Database (90th Percentile). As recommended in Section 3.2.4 of the NYSDOH Guidance (Refer to Footnote "1") this database is referenced for the indoor air sampling results. This database is also referenced to provide initial benchmarks for comparison to the air sampling data and does not represent regulatory standards or compliance values.

(3) Values obtained from NYSDOH, Guidance for Evaluating Soil Vapor Intrusion in the State of New York, updated February 2024. Recommended action depends on comparison of both sub-slab and indoor air results to matrices.

NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York , May 2017/February 2024 Decision Matrices Notes:

MONITOR:

NYSDOH recommends monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommend to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building-, and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MITIGATE:

NYSDOH recommends mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

--Note that results in unshaded cells are designated "No Further Action" recommended to address human exposure for that compound in that location; however, results from other locations in the same building may yield other recommendations.

Table 2: Summary of Non-Matrix VOC Results

50 Raymond Ave
Poughkeepsie, NY

Sample Date	June 2024	June 2024	June 2024	June 2024	July 2024	July 2024	July 2024	July 2024	July 2024	July 2024
Tenant Location	Gladmore Cleaners	Gladmore Cleaners	Gladmore Cleaners	Gladmore Cleaners	Gladmore Cleaners	Basement Area	Twisted Soul	New Nelly's	Second Floor	Outdoors
Consultant	Gallagher Bassett	Gallagher Bassett	Gallagher Bassett	Gallagher Bassett	LaBella	LaBella	LaBella	LaBella	LaBella	LaBella
Sample Media	Sub-slab Vapor	Sub-slab Vapor	Sub-slab Vapor	Sub-slab Vapor	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Outdoor Air
Sample ID	SV-01	SV-02	SV-03	SV-4	50Ray-A	50Ray-B	50Ray-C	50Ray-D	50Ray-E	50Ray-F
Analyte	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³
Dichlorodifluoromethane (CFC 12)	9.7	ND at 7.9	2.3	3.1	2.4	2.6	2.4	2.6	2.6	2.3
Chloromethane	8.1	ND at 3.3	0.86	2.5	1.1	1.3	1.1	2.6	1.2	4.8
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND at 12	ND at 11	ND at 1.3	ND at 1.3	ND at 0.56	ND at 0.63	ND at 0.52	ND at 0.57	ND at 0.59	ND at 0.64
1,3-Butadiene	14	ND at 11	ND at 1.2	ND at 1.2	ND at 0.53	ND at 0.60	ND at 0.49	ND at 0.54	ND at 0.56	ND at 0.61
Bromomethane	20	ND at 6.2	ND 0.71	ND at 0.73	ND at 0.31	ND at 0.35	ND at 0.29	ND at 0.32	0.39	ND at 0.36
Chloroethane	8.9	ND at 4.2	ND at 0.48	ND at 0.49	ND at 0.21	ND at 0.24	ND at 0.19	ND at 0.22	ND at 0.22	ND at 0.24
Acetone	1600	140	17	35	14	14	210	260	190	9300
Trichlorofluoromethane (CFC 11)	37	ND at 9	1.4	1.9	1.3	2.4	1.2	1.9	1.4	1.2
2-Propanol (Isopropanol)	21	ND at 7.9	1.8	3.6	2.3	1.4	4.8	6.7	10	22
Trichlorotrifluoroethane (CFC 113)	27	ND at 12	ND at 1.4	ND at 1.4	ND at 0.61	ND at 0.69	ND at 0.57	ND at 0.63	ND at 0.65	ND at 0.70
Carbon Disulfide	24	17	ND at 0.57	ND at 0.58	ND at 0.25	ND at 0.28	ND at 0.23	ND at 0.26	ND at 0.26	0.66
trans-1,2-dichloroethylene	20	12	ND at 0.72	ND at 0.74	ND at 0.32	ND at 0.36	ND at 0.29	ND at 0.32	ND at 0.34	ND at 0.36
1,1-Dichloroethane	19	ND at 6.5	ND at 0.74	ND at 0.76	ND at 0.32	ND at 0.36	ND at 0.30	ND at 0.33	ND at 0.24	ND at 0.37
Methyl tert-butyl ether	13	ND at 5.8	ND at 0.66	ND at 0.67	ND at 0.29	ND at 0.32	ND at 0.27	ND at 0.30	ND at 0.3	ND at 0.33
Vinyl Acetate	8.1	ND at 5.6	ND at 0.64	ND at 0.66	ND at 0.28	ND at 0.32	ND at 0.26	ND at 0.29	ND at 0.3	ND at 0.32
2-Butanone (Methyl Ethyl Ketone)	73	6.1	7.7	1.7	1.8	6.7	3.1	6.3	2.0	20
Ethyl Acetate	18	ND at 12	ND at 1.3	ND at 1.3	ND at 0.57	1.1	3.9	9.6	ND at 0.61	1.3
Chloroform	220	50	12	ND at 0.91	ND at 0.39	ND at 0.44	0.65	0.6	0.41	ND at 0.45
Tetrahydrofuran (THF)	26	ND at 9.4	ND at 1.1	ND at 1.1	ND at 0.47	ND at 0.53	ND at 0.44	ND at 0.48	ND at 0.50	3.7
1,2-Dichloroethane	17	ND at 6.5	ND at 0.74	ND at 0.76	ND at 0.32	0.47	5.4	0.36	ND at 0.34	ND at 0.37
1,2-Dichloropropane	20	ND at 7.4	ND at 0.84	ND at 0.86	ND at 0.37	ND at 0.41	ND at 0.34	ND at 0.38	ND at 0.39	ND at 0.42
Bromodichloromethane	56	ND at 11	ND at 1.2	ND at 1.3	ND at 0.53	ND at 0.60	ND at 0.49	ND at 0.55	ND at 0.57	ND at 0.61
1,4-Dioxane	13	ND at 12	ND at 1.3	ND at 1.3	ND at 0.57	ND at 0.65	ND at 0.53	ND at 0.59	ND at 0.61	ND at 0.66
cis-1,3-Dichloropropene	16	ND at 7.2	ND at 0.83	ND at 0.85	ND at 0.41	ND at 0.41	ND at 0.33	ND at 0.37	ND at 0.38	ND at 0.42
4-Methyl-2-Pentanone	29	ND at 6.5	0.97	ND at 0.77	0.55	0.44	0.51	0.60	0.35	ND at 0.38
trans-1,3-Dichloropropene	15	ND at 7.2	ND at 0.83	ND at 0.85	ND at 0.36	ND at 0.41	ND at 0.33	ND at 0.37	ND at 0.38	ND at 0.42
1,1,2-Trichloroethane	21	9.6	ND at 0.99	ND at 1	ND at 0.43	ND at 0.49	ND at 0.40	ND at 0.45	ND at 0.46	ND at 0.50
2-Hexanone	31	ND at 13	1.8	ND at 1.5	ND at 0.65	ND at 0.74	ND at 0.60	1.3	ND at 0.69	1.9
Dibromochloromethane	38	ND at 14	ND at 1.6	ND at 1.6	ND at 0.68	ND at 0.76	ND at 0.63	ND at 0.70	ND at 0.72	ND at 0.78
1,2-Dibromoethane	30	ND at 12	ND at 1.4	ND at 1.4	ND at 0.61	ND at 0.69	ND at 0.57	ND at 0.63	ND at 0.65	ND at 0.70
Chlorobenzene	20	ND at 7.4	ND at 0.84	ND at 0.86	ND at 0.37	ND at 0.41	ND at 0.34	ND at 0.38	ND at 0.39	0.35
Bromoform	33	ND at 17	ND at 1.9	ND at 1.9	ND at 0.82	ND at 0.93	ND at 0.76	ND at 0.32	ND at 0.87	ND at 0.95
Styrene	27	ND at 6.8	3.3	ND at 0.8	ND at 0.34	ND at 0.38	0.97	0.49	ND at 0.36	2.0
1,1,2,2-Tetrachloroethane	32	ND at 11	ND at 1.2	ND at 1.3	ND at 0.55	ND at 0.62	ND at 0.51	ND at 0.56	ND at .058	ND at 0.63
4-Ethyltoluene	140	15	17	1.4	ND at 0.39	ND at 0.44	ND at 0.36	1.0	1.5	0.59
Benzyl Chloride	35	ND at 8.3	ND at 0.94	ND at 0.97	ND at 0.41	ND at 0.46	ND at 0.38	ND at 0.49	ND at 0.44	5.5
1,3-Dichlorobenzene	25	ND at 9.6	ND at 1.1	ND at 1.1	ND at 0.53	ND at 0.54	ND at 0.44	ND at 0.49	ND at 0.51	ND at 0.55
1,4-Dichlorobenzene	25	ND at 9.6	ND at 1.1	ND at 1.1	ND at 0.48	0.97	ND at 0.44	0.94	ND at 0.51	ND at 0.55
1,2-Dichlorobenzene	25	ND at 9.6	ND at 1.1	ND at 1.1	ND at 0.48	ND at 0.54	ND at 0.44	ND at 0.49	ND at 0.51	ND at 0.55
1,2,4-Trichlorobenzene	21	ND at 12	ND at 1.4	ND at 1.4	ND at 0.59	ND at 0.67	ND at 0.55	ND at 0.61	ND at 0.63	ND at 0.68
Hexachlorobutadiene	38	ND at 17	ND at 1.9	ND at 2	ND at 0.85	ND at 0.96	ND at 0.79	ND at 0.87	1.6	ND at 0.98

Notes:

"ND" indicates the concentration was not detected above the reporting limit



TECHNICAL SERVICES

COMBINED PHASE I AND PHASE II

ENVIRONMENTAL

SITE ASSESSMENT

**50 Raymond Avenue
Town of Poughkeepsie
Dutchess County, New York**

Tax ID: Section 6161, Block 12, Lot 818683

October 31, 2024

GBTS Project: 24003-0026

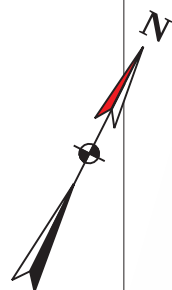
22 IBM Road – Suite 101
Poughkeepsie, NY 12601
O: 845-452-1658
www.gallagherbassett.com

Sample ID Sample Date Dilution Factor U= Not Detected ≥ value	SV-01		SV-02		SV-03		SV-04	
	2024-06-07		2024-06-07		2024-06-07		2024-06-07	
	17.77		15.97		1.82		1.868	
VOCs, TO-15	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1,2-tetrachloroethane	27	D	11	U	1.2	U	1.3	U
1,1,1-trichloroethane (TCA)	33	D	8.7	U	0.99	U	1	U
1,1,2,2-tetrachloroethane	32	D	11	U	1.2	U	1.3	U
1,1,2-trichloro-1,2,2-trifluoroethane	27	D	12	U	1.4	U	1.4	U
1,1,2-trichloroethane	21	D	9.6	D	0.99	U	1	U
1,1-dichloroethane	19	D	6.5	U	0.74	U	0.76	U
1,1-dichloroethene (1,1-DCE)	16	D	6.3	U	0.72	U	0.74	U
1,2,4-trichlorobenzene	21	D	12	U	1.4	U	1.4	U
1,2,4-trimethylbenzene	150	D	17	D	23	D	1.5	D
1,2-dibromoethane	30	D	12	U	1.4	U	1.4	U
1,2-dichlorobenzene	25	D	9.6	U	1.1	U	1.1	U
1,2-dichloroethane	17	D	6.5	U	0.74	U	0.76	U
1,2-dichloropropane	20	D	7.4	U	0.84	U	0.86	U
1,2-dichlorotetrafluoroethane	12	U	11	U	1.3	U	1.3	U
1,3,5-trimethylbenzene	53	D	7.9	U	7.7	D	0.92	U
1,3-butadiene	14	D	11	U	1.2	U	1.2	U
1,3-dichlorobenzene	25	D	9.6	U	1.1	U	1.1	U
1,3-dichloropropane	19	D	7.4	U	0.84	U	0.86	U
1,4-dichlorobenzene	25	D	9.6	U	1.1	U	1.1	U
2,2,4-trimethylpentane	33.2	D	3.73	D	3.15	D	0.524	D
1,4-dioxane	13	D	12	U	1.3	U	1.3	U
2-butanone	73	D	6.1	D	7.7	D	1.7	D
2-hexanone	31	D	13	U	1.8	D	1.5	U
3-chloropropene	28	U	25	U	2.8	U	2.9	U
4-methyl-2-pentanone	29	D	6.5	U	0.97	D	0.77	U
acetone	1,600	BD	140	BD	17	D	35	D
acrylonitrile	22	D	3.5	U	0.39	U	0.41	U
benzene	950	D	5.1	U	0.64	D	0.66	D
benzyl chloride	35	D	8.3	U	0.94	U	0.97	U
bromodichloromethane	56	D	11	U	1.2	U	1.3	U
bromoform	33	D	17	U	1.9	U	1.9	U
bromomethane	20	D	6.2	U	0.71	U	0.73	U
carbon disulfide	24	D	17	D	0.57	U	0.58	U
carbon tetrachloride	23	D	4	D	0.46	D	0.47	D
chlorobenzene	20	D	7.4	U	0.84	U	0.86	U
chloroethane	8.9	D	4.2	U	0.48	U	0.49	U
chloroform	220	D	50	D	12	D	0.91	U
chloromethane	8.1	D	3.3	U	0.86	D	2.5	D
cis-1,2-dichloroethene (cis-DCE)	25	D	1,800	D	2.7	D	1.4	D
cis-1,3-dichloropropene	16	D	7.2	U	0.83	U	0.85	U
cyclohexane	42	D	5.5	U	2.1	D	0.64	U
dibromochloromethane	38	D	14	U	1.6	U	1.6	U
dichlorodifluoromethane	9.7	D	7.9	U	2.3	D	3.1	D
ethyl acetate	18	D	12	U	1.3	U	1.3	U
ethylbenzene	290	D	58	D	83	D	2.4	D
hexachlorobutadiene	38	D	17	U	1.9	U	2	U
isopropanol	21	D	7.9	U	1.8	D	3.6	D
methyl methacrylate	7.3	U	6.5	U	0.75	U	0.76	U
methyl tert butyl ether	13	D	5.8	U	0.66	U	0.67	U
methylene chloride	19	D	11	U	1.3	U	1.3	U
naphthalene	93	U	84	U	9.5	U	9.8	U
n-heptane	80	D	6.5	U	0.75	U	1	D
n-hexane	110	D	5.6	U	0.64	U	1.2	D
o-xylene	180	D	56	D	78	D	1.3	D
p/m-xylene	590	D	210	D	320	D	3.4	D
p-ethyltoluene	140	D	15	D	17	D	1.4	D
propylene	9.5	D	4.1	D	0.31	U	0.32	U
styrene	27	D	6.8	U	3.3	D	0.8	U
tetrachloroethene (PCE)	5,200	D	550	D	260	D	10	D
tetrahydrofuran	26	D	9.4	U	1.1	U	1.1	U
toluene	290	D	6	U	3.8	D	3	D
trans-1,2-dichloroethene (trans-DCE)	20	D	12	D	0.72	U	0.74	U
trans-1,3-dichloropropene	15	D	7.2	U	0.83	U	0.85	U
trichloroethene (TCE)	160	D	11,000	D	35	D	6.8	D
trichlorofluoromethane	37	D	9	U	1.4	D	1.9	D
vinyl acetate	8.1	D	5.6	U	0.64	U	0.66	U
vinyl bromide	13	D	7	U	0.8	U	0.82	U
vinyl chloride (VC)	8.6	D	4.1	U	0.47	U	0.48	U
Detected concentrations								
Notable non-chlorinated VOC								
Elevated PCE and breakdown products								

Notes: NA = not available

Result Flags: J = approximate E = estimated B = detected in blank

1 TENTATIVE R



RAYMOND AVENUE

sidewalk

SV-01	
6/7/2024	
acetone	1,600
benzene	950
tetrachloroethene (PCE)	5,200
trichloroethene (TCE)	160
vinyl chloride (VC)	8.6

SV-02	
6/7/2024	
cis-1,2-dichloroethene (cis-DCE)	1,800
tetrachloroethene (PCE)	550
trichloroethene (TCE)	11,000

SV-04	
6/7/2024	
tetrachloroethene (PCE)	10
trichloroethene (TCE)	68

SV-03	
6/7/2024	
tetrachloroethene (PCE)	260
trichloroethene (TCE)	35

drums of used cooking oil
used cooking oil storage tanks

275-gallon AST

former leaking
fuel oil UST

petroleum &
maintenance storage

Unisec dry
cleaning machine



SCALE IN FEET
(APPROXIMATELY)

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Selected Site Features/Fieldwork Map

50 Raymond Avenue
Town of Poughkeepsie
Dutchess County, New York

Legend:

- subject property border
- Ø soil vapor sample location

All data in ug/m ³	
Detected concentrations	
Notable non-chlorinated VOC	
Elevated PCE and breakdown products	

File: 24003-0026

October 2024

Scale as shown

Page 8

5.0 FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

Gallagher Bassett Technical Services (GBTS) performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E 1527-21 to identify recognized environmental conditions (RECs), Controlled RECs (CRECs), Historical RECs (HRECs) and/or other significant environmental liabilities resulting from or associated with the storage, use, transport, or disposal of hazardous or regulated materials at the property located at 50 Raymond Avenue, Town of Poughkeepsie, Dutchess County, New York. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this report.

Identified RECs are presented in Section 4.1, and findings, conclusions, and recommendations regarding RECs, other potential environmental liabilities associated with the property, and/or de minimis conditions, are presented in Sections 4.2 through 4.5.

5.1 Recognized Environmental Conditions

Significant Data Gaps

The Environmental Professionals preparing this report have not identified any significant data gaps that affect their ability to identify RECs.

Overview of Identified RECs

This assessment has revealed evidence of the following RECs in connection with the property:

- Potential releases associated with long-term on-site dry cleaning activities, including documented chlorinated solvents in sub-slab vapor and an associated open NYSDEC spill event (No. 2403735)
- Potential residual petroleum contamination associated with a release at a former on-site fuel oil underground storage tank (UST; closed NYSDEC spill No. 0209962)

This assessment has revealed no evidence of HRECs in connection with the property (the closed spill at subject property is considered a REC).

5.2 Site History

The subject property is an approximately 0.14-acre commercial parcel located in a suburban setting. Reasonably ascertainable and useful historical records document that the property was vacant from at least 1893 to 1903, contained an unspecified store and dwelling as early as 1913, and was developed with the existing building prior to or circa 1950. The property contains Gladmore Cleaners and restaurants.

Historical Sanborn maps show an on-site dry cleaner with a solvent tank from 1950 through 1990. Use of chlorinated solvents at Gladmore Cleaners reportedly ceased in the 2010s, and the facility currently utilizes non-chlorinated materials.

No further investigation of historical records is recommended.

In response to the historical and current presence of an on-site dry cleaner, GBTS conducted a Phase II investigation to screen for any impacts from chlorinated solvent use. Laboratory data identified peak levels of the dry cleaning solvent tetrachloroethylene (PCE; 5,200 $\mu\text{g}/\text{m}^3$), PCE breakdown products, including trichloroethene (TCE; 11,000 $\mu\text{g}/\text{m}^3$), and non-chlorinated VOCs including acetone (1,600 $\mu\text{g}/\text{m}^3$) and benzene (950 $\mu\text{g}/\text{m}^3$). Based on these findings, a spill event (No. 2403735) was reported to NYSDEC. Documented chlorinated solvents in sub-slab vapor, the potential for associated soil and/or groundwater contamination, and the open NYSDEC spill event, are collectively considered to be a REC. Although existing indoor air-quality sampling indicates an absence of volatile organic compounds (VOCs) above NYSDOH Air Guideline Values and other relevant guidance, the sampling was conducted outside the heating season and may, therefore, not be fully indicative of the potential for soil vapor intrusion at the on-site building.

The nature and extent of contamination is incompletely understood. Further work is required to delineate CVOC impacts to the subsurface. It is recommended that vapor mitigation measures be implemented at the subject property in order to minimize risk of soil vapor intrusion.

5.3 Review of Regulatory Records

The subject property was identified as the site of closed NYSDEC spill No. 0209962, which was reported due to a UST failure at Gladmore Cleaners, with a reported release of 150 gallons of #2 fuel oil. Regulatory records indicate that the tank and contaminated soil were removed; a tank closure report documenting site conditions after the tank was removed, however, has not been reviewed. The potential presence of residual petroleum impacts from the leaking UST is considered a REC.

Any residual impacts from the petroleum release can be addressed using a SSDS; see Section 5.2.

Gladmore Cleaners, located at the subject property, is identified in USEPA records as a Very Small Quantity Generator of hazardous wastes and was formerly a Large Quantity Generator, and has a NYSDEC Air Facility registration (ID: 3-1346-00221/02000). Open NYSDEC spill No. 2402735 was reported in June 2024 after discovery of elevated levels of VOCs in soil vapor. Potential impacts associated with these findings are addressed in Section 5.2. The subject property was not otherwise identified in the review of regulator records. No adjoining or nearby properties were identified that are likely to impact the environmental integrity of the subject property.

No further investigation of regulatory records is recommended.

5.4. Relevant Site Observations and General Concerns

A 275-gallon above ground storage tank (AST) is located on the subject property.

It is recommended that the AST be properly maintained and periodically inspected.

Small quantities of petroleum and chemical products, including non-chlorinated solvent, are stored on site; releases from these containers could potentially impact the property.

It is recommended that all petroleum and chemical products be properly stored.

The following de minimis environmental conditions were observed: concrete floor surface staining in the Gladmore Cleaners boiler room.

Floor staining should be properly cleaned.

5.5 Non-scope Considerations

Environmental issues and/or concerns that are outside the scope of ASTM E 1527-21 are discussed below.

Limited visual observations by GBTS and the likely dates of building construction suggest that asbestos-containing materials (ACM) and lead-based paint (LBP) may be present. No surveys for ACM or LBP are known to have been conducted.

Any suspect material encountered during maintenance, renovation, or demolition activities should be tested for asbestos or lead, or, in the absence of analytical data, be treated as though it contained asbestos or lead. All maintenance, renovation, or demolition activities should be conducted in accordance with applicable regulations.

Elevated concentrations of radon may be present at the subject property.

It is recommended that radon testing be conducted at the on-site structure.

APPENDIX C

Subsurface Exploration Logs

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-02

ELEV.:

DATUM:

START DATE: 11/4/24

FINISH DATE: 11/4/24

SHEET 1 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	3.1	Gray to Brown fine to medium GRAVEL, little fine to coarse Sand, little Silt; occasional concrete pieces; occasional brick pieces; angular (GP).	Dry
4		2		FILL	
6				5.0'	
8		3	2.0	Brown fine to medium SAND, Some Silt, little fine to medium Gravel; angular (SM).	Dry
10					
12		4	1.8	Brown fine to medium SAND, Some Silt (SM).	Wet at 13.5 ft BGS
14					
16		5	1.5	Brown fine SAND, little Silt (SM). GLACIOLACUSTRINE FINE SAND	Wet

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712 DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

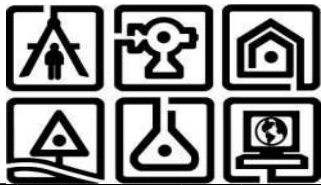
DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY:

DA/BR

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.:	SB-02	DATUM:	
ELEV.:		FINISH DATE:	11/4/24
START DATE:	11/4/24		
SHEET	2 of 2		

PROJECT:	50 Raymond Ave	CTM PROJECT NO.:	24.5088
LOCATION:	Poughkeepsie, NY	CTM OBSERVER:	DA / ER

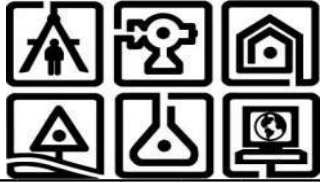
DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
18		5	1.5	Brown fine SAND, little Silt (SM).	wet
20					
22		6	2.6	Brown fine SAND, little Silt (SM).	wet
24					
25'					
26				GLACIOLACUSTRINE FINE SAND	
28				End of Boring 25'	
30					
32					

DRILLING CONTRACTOR:	CDD	GROUNDWATER LEVEL READINGS		
DIRECT-PUSH TYPE:	6712 DT			
METHOD OF SAMPLING:	5' DT22	DATE	LEVEL	REFERENCE MEASURING POINT
		NA	NA	NA

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY:
DA/BR

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-03

ELEV.:

DATUM:

START DATE: 11/4/24

FINISH DATE: 11/4/24

SHEET 1 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	1.8	Brown fine SAND, Some Silt; occasional concrete pieces (SP).	vegetation at surface dry
4					
				FILL 5.0'	
6		2	1.8	Brown fine SAND, Some Silt, trace fine Gravel; angular (SM).	dry
8					
10					
12		3	0.0	No Recovery	
14					
16		4	0.1	Brown fine to medium SAND, trace Silt, (SW). GLACIOLACUSTRINE FINE SAND	wet

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

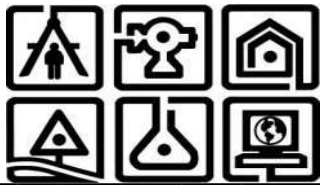
DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY:

DA

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.:	SB-03	DATUM:	
ELEV.:		FINISH DATE:	11/4/24
START DATE:	11/4/24		
SHEET	2 of 2		

PROJECT:	50 Raymond Ave	CTM PROJECT NO.:	24.5088
LOCATION:	Poughkeepsie, NY	CTM OBSERVER:	DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
18		4	0.1	Brown fine to medium SAND, trace Silt (SW-SM).	wet
20					
22		5	0	No Recovery	
24				GLACIOLACUSTRINE FINE SAND	
26				End of Boring 25' BGS	
28					
30					
32					

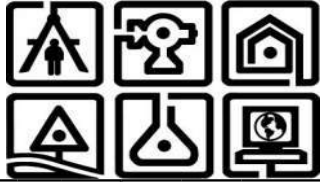
DRILLING CONTRACTOR:	CDD	GROUNDWATER LEVEL READINGS		
DIRECT-PUSH TYPE:	6712 DT			
METHOD OF SAMPLING:	5' DT22			

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

SAMPLE CLASSIFICATION BY:
DA/ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-04

ELEV.:

DATUM:

START DATE: 11/4/24

FINISH DATE: 11/4/24

SHEET 1 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	1.2	Brown fine SAND, Some Silt, little fine Gravel; angular; occasional brick pieces (SP-SM).	Dry
4					
6		2	0.1	Concrete pieces lodged in Macro Core (GP).	Dry
8					
10				FILL 10'	Moist
12					
14		3	2.0	Brown fine to medium SAND, little Silt (SM).	Wet +/- 13.5'
16					
		4	1.0	Brown fine to medium SAND, little fine Gravel, trace Silt; angular (SW). GLACIOLACUSTRINE FINE SAND	Wet

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY:

DA/ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-04

ELEV.:

DATUM:

START DATE: 11/4/24

FINISH DATE: 11/4/24

SHEET 2 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
18		4	1.0	Brown fine and medium SAND, little fine Gravel, trace Silt; angular (SP-SM).	Wet
20				GLACIOLACUSTRINE FINE SAND 20'	
22		5	0.9	Gray fine Gravel, frequent weathered blue/black Shale; angular (GW).	Wet
24				WEATHERED BEDROCK 23.5'	
26				BEDROCK: NORMANSKILL FORMATION (SHALE) END OF BORING	REFUSAL +/-23.5' BGS
28					
30					
32					

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712 DT

METHOD OF SAMPLING: 5' DT22

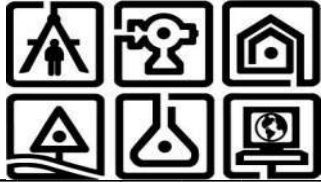
GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:
DA / ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-05

ELEV.:

DATUM:

START DATE: 11/4/24

FINISH DATE: 11/4/24

SHEET 1 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	2.1	Brown fine SAND, Some Silt, little fine Gravel; angular (SP).	Dry
4					
6		2	2.1	Brown fine to medium SAND, little fine Gravel, little Silt; angular (SP).	Dry
8					
10					
12		3	2.5	Brown fine to coarse SAND, little Silt, trace fine Gravel; angular (SP).	Moist
14					Wet +/-13' BGS
16		4	0.3	Brown fine to coarse SAND, little Silt (SM). GLACIOLACUSTRINE FINE SAND	Wet

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712DT

METHOD OF SAMPLING: 5' DT22

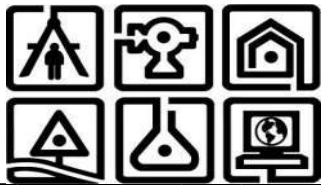
GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:
DA/ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.:	SB-05	DATUM:	
ELEV.:		FINISH DATE:	11/4/24
START DATE:	11/4/24		
SHEET	2 of 2		

PROJECT:	50 Raymond Ave	CTM PROJECT NO.:	24.5088
LOCATION:	Poughkeepsie, NY	CTM OBSERVER:	DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
18		4	0.3	Brown fine to coarse SAND, little Silt (SM).	Wet
20					
22		5	0.3	Brown fine to coarse SAND, little Silt (SM).	Wet
24					
25'					
26				GLACIOLACUSTRINE FINE SAND END OF BORING	
28					
30					
32					

DRILLING CONTRACTOR:	CDD	GROUNDWATER LEVEL READINGS		
DIRECT-PUSH TYPE:	6712 DT			
METHOD OF SAMPLING:	5' DT22			

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DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

SAMPLE CLASSIFICATION BY:
DA/ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-5R

ELEV.:

DATUM:

START DATE: 11/4/24

FINISH DATE: 11/4/24

SHEET 1 of 1

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	1.5	Light Brown fine SAND, Some Silt (SM).	Dry
4					
6				Light Brown fine SAND, Some Silt, little fine Gravel; angular (SP-SM).	Dry
8		2	0.3		
10					
12				Sample Lost	
14					
16				GLACIOLACUSTRINE FINE SAND REFUSAL +/-15' BGS END OF BORING	15'

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712DT

METHOD OF SAMPLING: 5' DT22

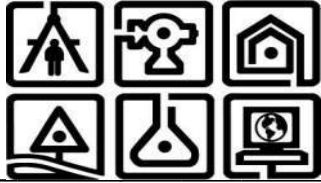
GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:
DA/ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-06

ELEV.:

DATUM:

START DATE: 11/5/24

FINISH DATE: 11/5/24

SHEET 1 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	3.0	Asphalt	Dry
4				0.75' Brown fine SAND, Some Silt (SM).	
6		2	2.5	Brown fine to coarse SAND, trace Silt (SM).	Dry
8					
10		3	2.5	Brown fine to coarse SAND, trace Silt (SM).	Moist
12					
14		4	0.6		Wet +/- 13' BGS
16				Brown fine to coarse SAND, trace Silt (SM). GLACIOLACUSTRINE FINE SAND	

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:

ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-06

ELEV.:

DATUM:

START DATE: 11/5/24

FINISH DATE: 11/5/24

SHEET 2 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
18		4	0.6	Brown fine to coarse SAND, trace Silt (SM).	Wet
20		5	0.3	Brown fine to coarse SAND, trace Silt (SM). GLACIOLACUSTRINE FINE SAND 21'	
22				BEDROCK: NORMANSKILL FORMATION (SHALE) END OF BORING	Refusal at 21' BGS
24					
26					
28					
30					
32					

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712 DT

METHOD OF SAMPLING: 5' DT22

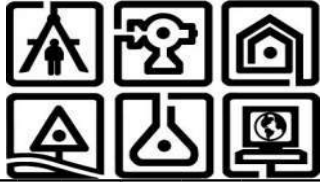
GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:
ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-07

ELEV.:

DATUM:

START DATE: 11/5/24

FINISH DATE: 11/5/24

SHEET 1 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	3.0	Asphalt 0.5' Light to Dark Brown fine to coarse SAND, little fine and medium Gravel; occasional Brick; angular (SP).	Dry
4				FILL 5.0'	
6		2	2.7	Brown fine to coarse SAND, little fine Gravel, trace Silt; angular (SP).	Dry
8					
10					
12		3	2.0	Brown fine to coarse SAND, little Silt (SM).	Moist
14					Wet +/-13.5' BGS
16		4	3.0	Light Brown fine SAND, some Silt (SM). GLACIOLACUSTRINE FINE SAND	Wet

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

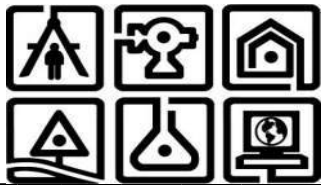
DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:

ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.:	SB-07	DATUM:	
ELEV.:		FINISH DATE:	11/5/24
START DATE:	11/5/24		
SHEET	2 of 2		

PROJECT:	50 Raymond Ave	CTM PROJECT NO.:	24.5088
LOCATION:	Poughkeepsie, NY	CTM OBSERVER:	ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
18		4	3.0	Light Brown fine SAND, Some Silt (SM).	Wet
20					
22		5	3.1	Light Brown fine to medium SAND, Some Silt (SM).	Wet
24					
25'					
26				GLACIOLACUSTRINE FINE SAND	
28				END OF BORING	
30					
32					

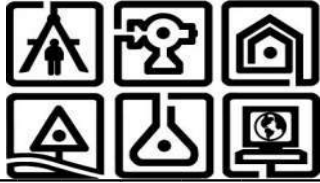
DRILLING CONTRACTOR:	CDD	GROUNDWATER LEVEL READINGS		
DIRECT-PUSH TYPE:	6712 DT			
METHOD OF SAMPLING:	5' DT22			

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DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

SAMPLE CLASSIFICATION BY:
ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-08

ELEV.:

DATUM:

START DATE: 11/14/24

FINISH DATE: 11/14/24

SHEET 1 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	0.7	Brown fine to medium SAND, little Silt (SM).	dry
4					
6		2	2.6	Brown fine to medium SAND, little Silt (SM).	dry
8					
10					
12		3	3.0	Brown fine to medium SAND, little Silt (SM).	wet at 11'
14					
16		4	4.7	Brown fine to medium SAND, little Silt (SM). GLACIOLACUSTRINE FINE SAND	wet

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712 DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

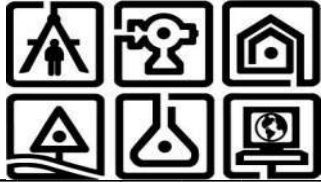
DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:

ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-08

ELEV.:

DATUM:

START DATE: 11/14/24

FINISH DATE: 11/14/24

SHEET 2 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
18		4	4.7	Brown fine to medium SAND, Some Silt (SM).	wet
20					
22		5	2.8	Brown fine to medium SAND, Some Silt (SM).	wet
24					
				Grey fine to coarse SAND, little Silt (SM). GLACIOLACUSTRINE FINE SAND 25'	Rock Chips Observed in Shoe
26				BEDROCK: NORMANSKILL FORMATION (SHALE) END OF BORING	
28					
30					
32					

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712 DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

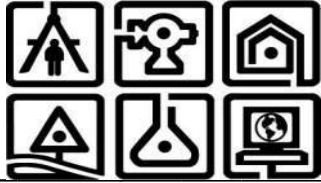
DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:

ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-09

ELEV.:

DATUM:

START DATE: 11/4/24

FINISH DATE: 11/4/24

SHEET 1 of 1

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: DA

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	1.1	Concrete	Jackhammer out access hole in sidewalk Hand/airknife clear 40-60" Dry
4				0.5'	
6				Brown SILT, Some fine to medium Sand, little coarse Gravel; angular (ML).	
8		2	2.0	Brown fine to medium SAND, Some Silt, trace fine Gravel; angular (SP).	Dry
10					
12					
14		3	0.5	Gray fine and medium SAND, Some Silt (SM). GLACIOLACUSTRINE FINE SAND 11.0'	Moist to Wet
16					
				BEDROCK: NORMANSKILL FORMATION (SHALE) END OF BORING	Refusal at 11' BGS

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

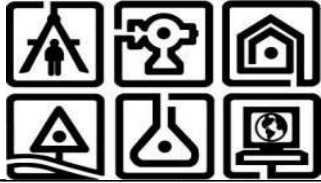
DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:

DA

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-10

ELEV.:

DATUM:

START DATE: 11/14/24

FINISH DATE: 11/14/24

SHEET 1 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1		Dark to Light Brown fine to coarse SAND, little fine Gravel, little Silt; angular (SP).	dry
			2.2		
4		2		Fill 5'	dry
6				Brown fine to medium SAND, little Silt (SM).	dry
8		3	2.8		moist at 9'
10				Brown fine to medium SAND, little Silt (SM).	wet at 11'
12		4	3.6		Gray from 12.5' to 14.5' BGS
14				Gray fine SAND, little Silt (SM). GLACIOLACUSTRINE FINE SAND	
16		5	2.9		

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712 DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

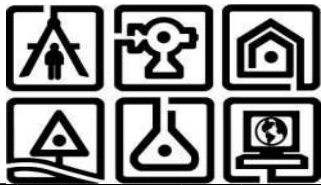
DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:

ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.:	SB-10	DATUM:	
ELEV.:		FINISH DATE:	11/14/24
START DATE:	11/14/24		
SHEET	2 of 2		

PROJECT:	50 Raymond Ave	CTM PROJECT NO.:	24.5088
LOCATION:	Poughkeepsie, NY	CTM OBSERVER:	ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
18		5	2.9	Gray fine SAND, little Silt (SM).	Wet
20				GLACIOLACUSTRINE FINE SAND 19.25'	
22		6	1.7	Blue to Black SHALE; fractured; occasional thin interbedded quartz veins.	Refusal at 23.5' BGS
24				WEATHERED BEDROCK 23.5'	
26				BEDROCK; NORMANSKILL FORMATION (SHALE)	
28				END OF BORING	
30					
32					

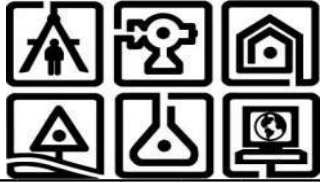
DRILLING CONTRACTOR:	CDD	GROUNDWATER LEVEL READINGS		
DIRECT-PUSH TYPE:	6712 DT			
METHOD OF SAMPLING:	5' DT22			

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DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

SAMPLE CLASSIFICATION BY:
ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-11

ELEV.:

DATUM:

START DATE: 11/5/24

FINISH DATE: 11/5/24

SHEET 1 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	2.5	GRAVEL 0.75' Light to Dark Brown fine to coarse SAND, little fine Gravel, little Silt; angular (SW).	dry
4					
6		2	3.0	Brown fine SAND, little Silt (SM). Brown fine to coarse SAND, little fine Gravel, little Silt; subangular (SP-SM).	dry Gravel present from 8' to 13' BGS
8					
10					
12		3	1.8	Brown fine SAND, some fine Gravel, little Silt; angular (SP-SM). Brown fine SAND, little Silt (SM).	dry wet +/- 13' BGS
14					
16		4	2.5	Brown fine SAND, little Silt (SM). GLACIOLACUSTRINE FINE SAND	wet

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

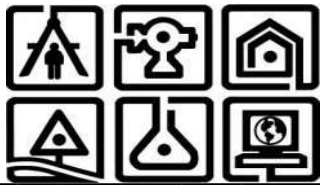
DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY:

ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.:	SB-11	DATUM:	
ELEV.:		FINISH DATE:	11/5/24
START DATE:	11/5/24		
SHEET	2 of 2		

PROJECT:	50 Raymond Ave	CTM PROJECT NO.:	24.5088
LOCATION:	Poughkeepsie, NY	CTM OBSERVER:	ER

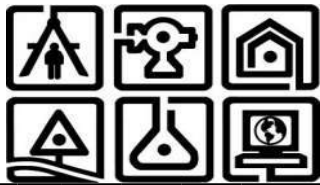
DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
18		4	1.1	Brown fine SAND, little Silt (SM).	wet
20					
22		5	1.2	Grey fine SAND, little Silt (SM).	wet
24					
				GLACIOLACUSTRINE FINE SAND	25.0'
26				END OF BORING	
28					
30					
32					

DRILLING CONTRACTOR:	CDD	GROUNDWATER LEVEL READINGS		
DIRECT-PUSH TYPE:	6712 DT			
METHOD OF SAMPLING:	5' DT22			
		DATE	LEVEL	REFERENCE MEASURING POINT
		NA	NA	NA

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY:
ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.:	SB-12	DATUM:	
ELEV.:		FINISH DATE:	11/5/24
START DATE:	11/5/24		
SHEET	1 of 2		

PROJECT:	50 Raymond Ave	CTM PROJECT NO.:	24.5088
LOCATION:	Poughkeepsie, NY	CTM OBSERVER:	DA / ER

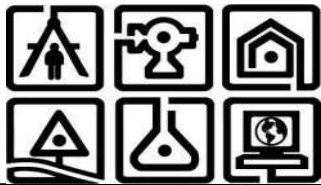
DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	3.0	GRAVEL	
				Dark Brown fine SAND, little Silt; occasional organics (SM).	dry
4				Light Brown fine SAND, little medium Gravel, little Silt; angular (SP-SM).	dry
6		2	2.3	Brown fine to coarse SAND, Some Silt, little medium Gravel; angular (SP-SM).	dry
8					
10					
12		3	2.0	Brown fine SAND, little Silt (SM).	moist
14					wet +/- 13' BGS
16		4	2.5	Brown fine SAND, little Silt (SM).	wet
				GLACIOLACUSTRINE FINE SAND	

DRILLING CONTRACTOR:	CDD	GROUNDWATER LEVEL READINGS		
DIRECT-PUSH TYPE:	6712DT			
METHOD OF SAMPLING:	5' DT22	DATE	LEVEL	REFERENCE MEASURING POINT
		NA	NA	NA

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY:
ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.:	SB-12	DATUM:	
ELEV.:		FINISH DATE:	11/5/24
START DATE:	11/5/24		
SHEET	2 of 2		

PROJECT:	50 Raymond Ave	CTM PROJECT NO.:	24.5088
LOCATION:	Poughkeepsie, NY	CTM OBSERVER:	DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
18		4	2.5	Brown fine SAND, little Silt (SM).	wet
20					
22		5	2.5	Brown fine SAND, little Silt (SM).	wet
24					
				GLACIOLACUSTRINE FINE SAND	25.0'
26				END OF BORING	
28					
30					
32					

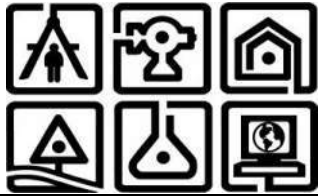
DRILLING CONTRACTOR:	CDD	GROUNDWATER LEVEL READINGS		
DIRECT-PUSH TYPE:	6712 DT			
METHOD OF SAMPLING:	5' DT22			

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DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

SAMPLE CLASSIFICATION BY:
ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-13

ELEV.:

DATUM:

START DATE: 11/5/24

FINISH DATE: 11/5/24

SHEET 1 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	2.4	Brown fine to coarse SAND, little medium Gravel, little Silt; angular (SP-SM).	dry
4					
6		2	2.5	Brown fine to coarse SAND, little Silt, trace medium Gravel; angular (SP-SM).	dry
8					
10					
12		3	1.8	Brown fine to coarse SAND, trace medium Gravel, trace Silt; angular (SP-SM).	moist
14					water +/- 13' BGS
16		4	1.0	Brown coarse SAND AND GRAVEL; angular (SP). FILL	wet

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

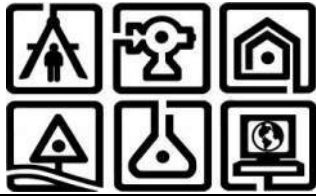
DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:

ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-13

ELEV.:

DATUM:

START DATE: 11/5/24

FINISH DATE: 11/5/24

SHEET 2 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
18		4	1.0	Brown coarse SAND AND GRAVEL; angular (SP).	wet
				FILL 18'	
20		5	1.0	Brown fine SAND, little Silt (SM).	wet
22				Brown fine SAND, some Silt (SM).	wet
24		6	2.5		
				GLACIOLACUSTRINE FINE SANDS 25.0'	
26				END OF BORING	
28					
30					
32					

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712 DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

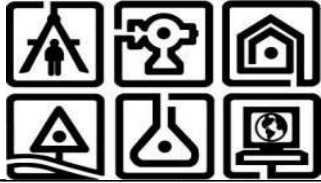
DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:

ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-14

ELEV.:

DATUM:

START DATE: 11/4/24

FINISH DATE: 11/4/24

SHEET 1 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	2.3	Gray-Brown fine to coarse SAND, trace Silt; frequent concrete pieces; angular (SP).	Dry
4					
6		2	2.1	Gray-Brown fine to coarse SAND, little medium Gravel, little silt; angular (SP).	Dry
8					
10				FILL	
12		3	1.8	Brown fine to medium SAND, little Silt, trace fine Gravel; angular (SP).	
14					
16		4	0.5	Brown fine and medium SAND, Some Silt (SM). GLACIOLACUSTRINE FINE SAND	Wet

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:

DA/ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-14

ELEV.:

DATUM:

START DATE: 11/4/24

FINISH DATE: 11/4/24

SHEET 2 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
18		4	0.5	Brown fine to medium SAND, Some Silt (SM).	Wet
20					
22		5	2.3	Brown fine to medium SAND, trace Silt (SP).	Wet
24					
26					
28				GLACIOLACUSTRINE FINE SAND	
30				END OF BORING +/-25' BGS	
32					

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712 DT

METHOD OF SAMPLING: 5' DT22

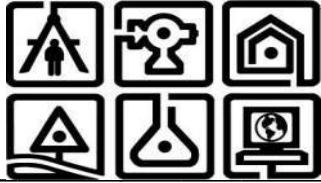
GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:
DA/ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-15

ELEV.:

DATUM:

START DATE: 11/4/24

FINISH DATE: 11/4/24

SHEET 1 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	2.8	Brown fine SAND, little fine Gravel, little Silt; frequent concrete pieces; angular (SP).	0.1 feet of organics dry some grey weathered concrete interbedded
4					
6		2	3.0	Brown fine SAND, little fine Gravel, little Silt; frequent concrete pieces; angular (SP).	dry
8					
10		3	2.2	Brown fine to medium SAND, little fine Gravel, trace Silt; angular (SP).	moist
12					
14		4	2.1	Brown fine to coarse SAND, little Gravel, little Silt; angular (SP). GLACIOLACUSTRINE FINE SAND	wet at 14'
16					

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:

DA / ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-15

ELEV.:

DATUM:

START DATE: 11/4/24

FINISH DATE: 11/4/24

SHEET 2 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
18		4	2.1	Brown fine to coarse SAND, little fine Gravel, little Silt; angular (SP).	Wet
20				GLACIOLACUSTRINE FINE SAND 20.0'	
22				REFUSAL +/-20' BGS	
24				END OF BORING	
26					
28					
30					
32					

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712 DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

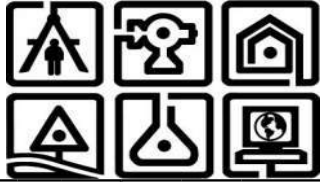
DATE	LEVEL	REFERENCE MEASURING POINT
Na	NA	NA

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SAMPLE CLASSIFICATION BY:

DA / ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-16

ELEV.:

DATUM:

START DATE: 11/4/24

FINISH DATE: 11/4/24

SHEET 1 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	2.5	Brown fine to medium SAND, little fine to medium Gravel, little Silt; frequent concrete pieces; angular (SP).	dry
4					
				FILL	
6		2	2.5	Brown fine to medium SAND, little Silt, trace fine Gravel; angular (SP).	dry
8					
10					
12		3	2.6	Brown fine to medium SAND, little Silt, trace fine Gravel; angular (SP-SM).	Moist
14					
16		4	1.8	Brown fine to medium SAND, little Silt (SM). GLACIOLACUSTRINE FINE SAND	Wet at 14' Gray staining @ 14' BGS, petroleum odor, PID 211 ppm Wet

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712DT

METHOD OF SAMPLING: 5' DT22

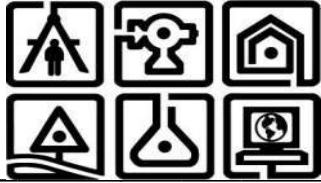
GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:
DA/ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-16

ELEV.:

DATUM:

START DATE: 11/4/24

FINISH DATE: 11/4/24

SHEET 2 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
18		4	1.8	Brown fine to medium SAND, little Silt (SM).	Wet
20				GLACIOLACUSTRINE FINE SAND 20.0'	Refusal at +/-20' BGS
22				END OF BORING	
24					
26					
28					
30					
32					

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712 DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

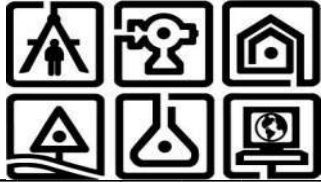
DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:

DA/ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-17

ELEV.:

DATUM:

START DATE: 11/4/24

FINISH DATE: 11/4/24

SHEET 1 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		NA	NA	Refer to SB-17R	
4					
6				Brown fine to medium SAND, little fine Gravel, little Silt; angular (SP-SM).	dry
8		1	3.0		
10					
12				Brown fine to medium Sand, little Silt, trace fine Gravel; angular (SP-SM).	moist
14		2	2.0		
16				Brown medium SAND, trace fine Gravel, trace Silt; angular (SP-SM). GLACIOLACUSTRINE FINE SAND	Wet +/-15
		3	1.2		Wet

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:

DA/ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-17

ELEV.:

DATUM:

START DATE: 11/4/24

FINISH DATE: 11/4/24

SHEET 2 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
18		3	1.2	Brown medium SAND, trace fine Gravel, trace Silt; angular (SP-SM).	Wet
20				GLACIOLACUSTRINE FINE SANDS 20.0'	
22	END OF BORING				
24					
26					
28					
30					
32					

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712 DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

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SAMPLE CLASSIFICATION BY:

DA/ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-17R

ELEV.:

DATUM:

START DATE: 11/4/24

FINISH DATE: 11/4/24

SHEET 1 of 1

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: DA / ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	1.5	Brown fine SAND, Some fine Gravel, little Silt; angular (SP-SM).	dry
4					
6		2	0.5	Brown fine SAND, some Silt (SM).	dry
8					
				GLACIOLACUSTRINE FINE SAND	8.0'
				END OF BORING	Refusal at +/- 8' BGS
10					
12					
14					
16					

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712DT

METHOD OF SAMPLING: 5' DT22

GROUNDWATER LEVEL READINGS

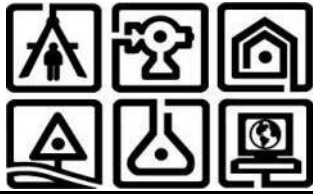
DATE	LEVEL	REFERENCE MEASURING POINT

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SAMPLE CLASSIFICATION BY:

DA/ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-18

ELEV.:

DATUM:

START DATE: 11/18/24

FINISH DATE: 11/18/24

SHEET 1 of 1

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
1		1	1.7	Brown fine to coarse SAND, Some fine to medium Gravel, trace Silt; subangular (SP).	Basement Boring, slab depth approximately 10 feet dry
3		2	2.4	Brown fine to coarse SAND, Some fine Gravel, trace Silt; subangular (SP).	
6		3	0.6	Brown fine to coarse SAND, little Silt, trace fine Gravel; subrounded (SP-SM).	
9				FILL	moist
				End of Boring 9'	

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 420M

METHOD OF SAMPLING:

GROUNDWATER LEVEL READINGS

DATE LEVEL REFERENCE MEASURING POINT

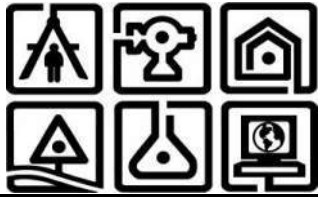
NA NA NA

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SAMPLE CLASSIFICATION BY:

ER

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-19

ELEV.:

DATUM:

START DATE: 11/18/24

FINISH DATE: 11/18/24

SHEET 1 of 2

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	1.5	Brown fine to coarse SAND, little fine Gravel, little Silt; subangular (SP).	dry
4		2	1.4	Brown fine to coarse SAND, little fine Gravel, little Silt; subangular (SP).	dry
6					
8		3	2.2	Brown fine to coarse SAND, little fine Gravel, little Silt; subangular (SP).	dry
10		4	1.9	Brown fine to coarse SAND, little fine Gravel, little Silt; subangular (SP).	
				FILL 11.5'	
12		5	0.1	Gray fine to coarse SAND, little Silt (SM).	Moist, gray staining, strong petroleum odor
14		6	1.4	Gray fine to coarse SAND, little Silt (SM).	Moist, gray staining, strong petroleum odor
16		7	0.3	Gray fine to coarse SAND, little Silt (SM). GLACIOLACUSTRINE FINE SAND	Moist, gray staining, strong petroleum odor

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712 DT

METHOD OF SAMPLING: 3' DT22

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY:

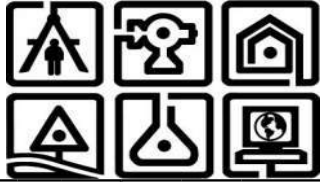
ER

BORING NO.:	SB-19		
ELEV.:		DATUM:	
START DATE:	11/18/24	FINISH DATE:	11/18/24
SHEET	2 of 2		

CTM PROJECT NO.: 24.5088
CTM OBSERVER: ER

DRILLING CONTRACTOR:	CDD	GROUNDWATER LEVEL READINGS		
DIRECT-PUSH TYPE:	420M			
METHOD OF SAMPLING:				
THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.		DATE	LEVEL	REFERENCE MEASURING POINT
		NA	NA	NA
		SAMPLE CLASSIFICATION BY:		
		ER		

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

BORING NO.: SB-20

ELEV.:

DATUM:

START DATE: 11/25/24

FINISH DATE: 11/25/24

SHEET 1 of 1

PROJECT: 50 Raymond Ave

CTM PROJECT NO.: 24.5088

LOCATION: Poughkeepsie, NY

CTM OBSERVER: ER

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
2		1	1.7	Asphalt 0.75' Gray and Brown fine to coarse SAND, some fine to medium Gravel; angular (SP).	dry
4					
6		2	1.3	Gray fine to coarse SAND, and fine to medium Gravel; angular (SP).	dry
8					
10		3	1.9	Fill 9' Brown fine to coarse SAND, little Silt (SM).	moist
12					
14		4	1.9	Gray fine to medium SAND, little Silt (SM).	Wet at 12'
16		5		Brown fine to coarse SAND, little Silt (SM). GLACIOLACUSTRINE FINE SAND 16'	End of Boring 16 BGS', Running Sands

DRILLING CONTRACTOR: CDD

DIRECT-PUSH TYPE: 6712DT

METHOD OF SAMPLING: 4' DT22

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT
NA	NA	NA

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY:

ER

APPENDIX D

Organic Vapor Headspace Analysis Log



ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: 50 Raymond Ave				PROJECT #: 24.5088		PAGE 1 OF 2
CLIENT: T.C. Development Corp.						DATE
LOCATION: 50 Raymond Ave, Poughkeepsie, NY, 12603						COLLECTED: 11/4/2024
INSTRUMENT USED: MiniRae 3000 LAMP 10.6 eV						DATE
DATE INSTRUMENT CALIBRATED: 11/4/2024 BY: DA/ER						ANALYZED: 11/4/2024
TEMPERATURE OF SOIL: Ambient						ANALYST: DA/ER
EXPLORATION	SAMPLE	DEPTH	SAMPLE	SAMPLE	BACKGROUND	
NUMBER	NUMBER	(FT.)***	TYPE	READING	READING	
				(PPM)**	(PPM)**	REMARKS
SB-09	1	0-5	Soil	2	0	NONS
	2	5-10	Soil	2	0	NONS
	3	10-11	Soil	1.9	0	NONS
SB-03	1	0-5	Soil	0.3	0	NONS
	2	5-10	Soil	1	0	NONS
	3	10-15	Soil	-	-	NR
	4	15-20	Soil	1	0	NONS
	5	20-25	Soil	-	-	NR
SB-04	1	0-5	Soil	2	0	NONS
	2	5-10	Soil	3.1	0	NONS
	3	10-15	Soil	5.2	0	NONS
	4	15-20	Soil	4.8	0	NONS
	5	20-25	Soil	3.1	0	NONS
SB-02	1	0-2.5	Soil	1.6	0	NONS
	2	2.5-5	Soil	2	0	NONS
	3	5-10	Soil	5	0	NONS
	4	10-15	Soil	6.7	0	NONS
	5	15-20	Soil	5	0	NONS
	6	20-25	Soil	4.1	0	NONS

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

***FT represents depth of sample collected feet below ground surface

****NONS represents No Odor No Staining

*****NR represents No Recovery



ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: 50 Raymond Ave				PROJECT #: 24.5088		PAGE 2 OF 2
CLIENT: T.C. Development Corp.						DATE
LOCATION:50 Raymond Ave, Poughkeepsie, NY, 12603						COLLECTED: 11/4/2024
INSTRUMENT USED: MiniRae 3000				LAMP 10.6	eV	DATE
DATE INSTRUMENT CALIBRATED: 11/4/2024				BY: DA/ER		ANALYZED: 11/4/2024
TEMPERATURE OF SOIL: Ambient						ANALYST: DA/ER
EXPLORATION	SAMPLE	DEPTH	SAMPLE	SAMPLE	BACKGROUND	
NUMBER	NUMBER	(FT.)**	TYPE	READING	READING	REMARKS
				(PPM)**	(PPM)**	
SB-14	1	0-5	Soil	3.5	0.1	NONS
	2	5-10	Soil	3	0.1	NONS
	3	10-15	Soil	3.4	0.1	NONS
	4	15-20	Soil	3.9	0.1	NONS
	5	20-25	Soil	1.9	0.1	NONS
SB-15	1	0-5	Soil	4.6	0	NONS
	2	5-10	Soil	2	0	NONS
	3	10-15	Soil	4.7	0	NONS
	4	15-20	Soil	4.6	0	NONS
SB-16	1	0-5	Soil	4.3	0	NONS
	2	5-10	Soil	4	0	NONS
	3	10-15	Soil	211	0	Petroleum Odor / Grey Stain
	4	15-20	Soil	2	0	NONS
SB-17R	1	0-5	Soil	1	0	NONS
	2	5-8	Soil	1.7	0	NONS
SB-17	1	0-5	Soil	NA	NA	NA
	2	5-10	Soil	2.3	0	NONS
	3	10-15	Soil	1.2	0	NONS
	4	15-20	Soil	1.4	0	NONS
SB-05R	1	0-5	Soil	0.9	0	NONS
	2	5-10	Soil	1.1	0	NONS

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

***FT represents depth of sample collected feet below ground surface

****NONS represents No Odor No Staining

*****NR represents No Recovery



ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: 50 Raymond Ave				PROJECT #: 24.5088		PAGE 1 OF 2
CLIENT: T.C. Development Corp.				DATE COLLECTED: 11/5/24		
LOCATION: 50 Raymond Ave, Poughkeepsie, NY, 12603				DATE ANALYZED: 11/5/24		
INSTRUMENT USED: MiniRae 3000				LAMP 10.6 eV		
DATE INSTRUMENT CALIBRATED: 11/5/24				BY: ER		
TEMPERATURE OF SOIL: Ambient				ANALYST: ER		
EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
SB-05	1	0-5	Soil	1.5	0	NONS
	2	5-10	Soil	2.7	0	NONS
	3	10-15	Soil	2.0	0	NONS
	4	15-20	Soil	0.5	0	NONS
	5	20-25	Soil	0.5	0	NONS
SB-06	1	0-5	Soil	2.5	0	NONS
	2	5-10	Soil	2.5	0	NONS
	3	10-15	Soil	2.4	0	NONS
	4	15-20	Soil	1.7	0	NONS
	5	20-25	Soil	0.7	0	NONS
SB-07	1	0-5	Soil	1.5	0	NONS
	2	5-10	Soil	3.3	0	NONS
	3	10-15	Soil	3.1	0	NONS
	4	15-20	Soil	2.4	0	NONS
	5	20-25	Soil	1.6	0	NONS
SB-13	1	0-5	Soil	5.1	0	NONS
	2	5-10	Soil	5.4	0	NONS
	3	10-15	Soil	4.2	0	NONS
	4	15-17.5	Soil	3.3	0	NONS
	5	17.5-20	Soil	3.8	0	NONS
	6	20-25	Soil	2.9	0	NONS

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

***FT represents depth of sample collected feet below ground surface

****NONS represents No Odor No Staining

*****NR represents No Recovery



ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: 50 Raymond Ave				PROJECT #: 24.5088		PAGE 2 OF 2	
CLIENT: T.C. Development Corp.						DATE COLLECTED: 11/5/24	
LOCATION: 50 Raymond Ave, Poughkeepsie, NY, 12603						DATE ANALYZED: 11/5/24	
INSTRUMENT USED: MiniRae 3000				LAMP 10.6 eV		ANALYST: ER	
DATE INSTRUMENT CALIBRATED: 11/5/24				BY: ER			
TEMPERATURE OF SOIL: Ambient							
EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS	
SB-12	1	0-5	Soil	4	0	NONS	
	2	5-10	Soil	5.2	0	NONS	
	3	10-15	Soil	5.1	0	NONS	
	4	15-20	Soil	5.6	0	NONS	
	5	20-25	Soil	5.3	0	NONS	
SB-11	1	0-5	Soil	7.2	0	NONS	
	2	5-6	Soil	8.9	0	NONS	
	3	6-10	Soil	7.9	0	NONS	
	4	10-13	Soil	3.7	0	NONS	
	5	13-15	Soil	7	0	NONS	
	6	15-20	Soil	5.8	0	NONS	
	7	20-25	Soil	5.2	0	NONS	

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
 **PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
 ***FT represents depth of sample collected feet below ground surface
 ****NONS represents No Odor No Staining
 *****NR represents No Recovery



ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: 50 Raymond Ave				PROJECT #: 24.5088		PAGE 1 OF 1	
CLIENT: T.C. Development Corp.				DATE COLLECTED: 11/14/24			
LOCATION: 50 Raymond Ave, Poughkeepsie, NY, 12603				DATE ANALYZED: 11/14/24			
INSTRUMENT USED: MiniRae 3000				LAMP 10.6 eV			
DATE INSTRUMENT CALIBRATED: 11/14/24				BY: ER			
TEMPERATURE OF SOIL: Ambient				ANALYST: ER			
EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS	
SB-08	1	0-5	Soil	0.3	0	NONS	
	2	5-10	Soil	0.3	0	NONS	
	3	10-15	Soil	0.6	0	NONS	
	4	15-20	Soil	0.5	0	NONS	
	5	20-25	Soil	1.8	0	NONS	
SB-10	1	0-2.5	Soil	2	0	NONS	
	2	2.5-5	Soil	1.9	0	NONS	
	3	5-10	Soil	1.5	0.1	NONS	
	4	10-12.5	Soil	2	0.1	NONS	
	5	12.5-14.5	Soil	1.9	0.1	NONS	
	6	14.5-15	Soil	2.2	0.1	NONS	
	7	15-20	Soil	1.7	0.1	NONS	
	8	20-23.5	Soil	1	0.1	NONS	

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

***FT represents depth of sample collected feet below ground surface

****NONS represents No Odor No Staining

*****NR represents No Recovery



*****NR represents No Recovery



*****NR represents No Recovery

APPENDIX E

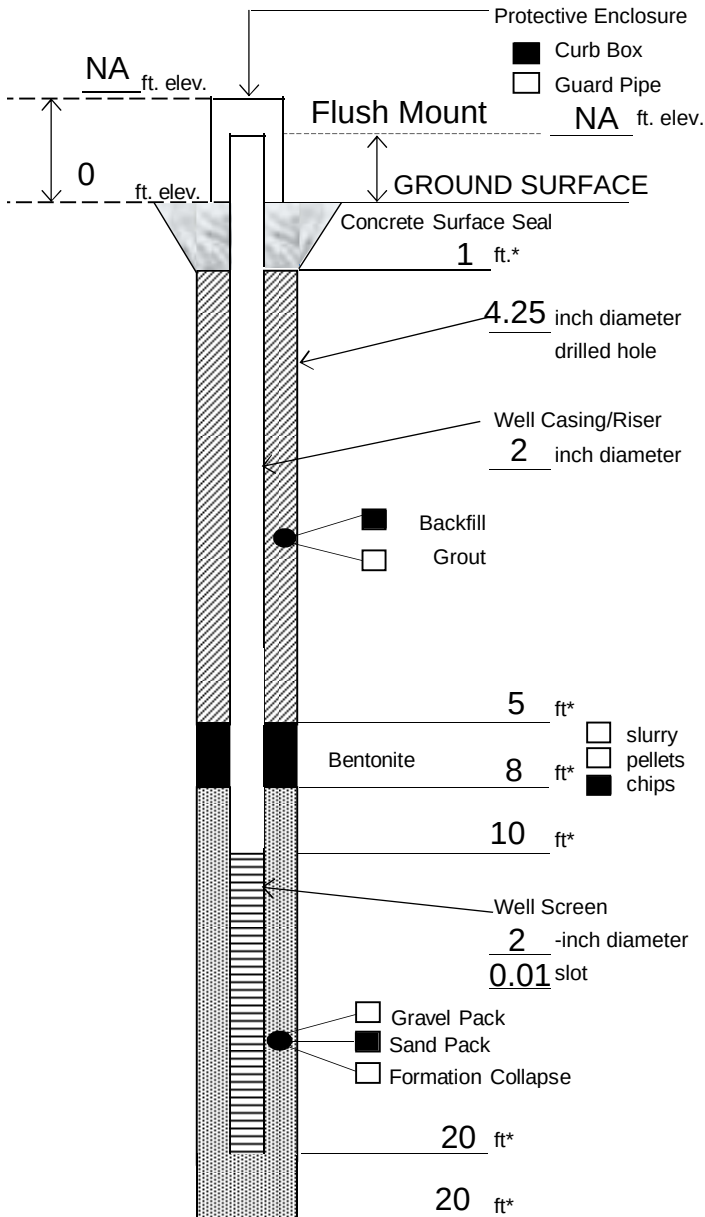
Monitoring Well Construction Logs



C.T. MALE ASSOCIATES

Well No. MW - 01

MONITORING WELL CONSTRUCTION LOG



* Depth below ground surface.

Project Name: 50 Raymond Ave

Project Number: 24.5088

Well No.: MW - 01 Boring No.: SB-12

Town/City: Poughkeepsie

County: Dutchess State: NY

Installation Date(s): 11/14/2024

Drilling Contractor: Core Down Drilling

Drilling Method: Hollow Stem Auger

Water Depth From Top of Riser: 12.18 ft 11/18/2024
Date

C.T. Male Observer: E. Rigby

Materials Used:

<u>8</u>	Bags of Sand	
	Sand Size: <u>#2</u>	Brand: <u>Filpro</u>
<u>1</u>	Bags of Bentonite	(<u>50</u> lb. bags)
	Brand: <u>Holeplug</u>	
<u>10</u>	ft. of <u>sch. 40 PVC</u>	well screen
<u>10</u>	ft. of <u>sch. 40 PVC</u>	well riser
<u><1</u>	Bags of Cement/Concrete	(<u>50</u> lb. bags)
	Brand: <u>QuiKrete</u>	

Grout Mixture:

<u>NA</u>	Bags of Cement	(<u>NA</u> lb. bags)
<u>NA</u>	Lbs. of Bentonite	
<u>NA</u>	Gallons of Water	
<u>NA</u>	Grout Batches	

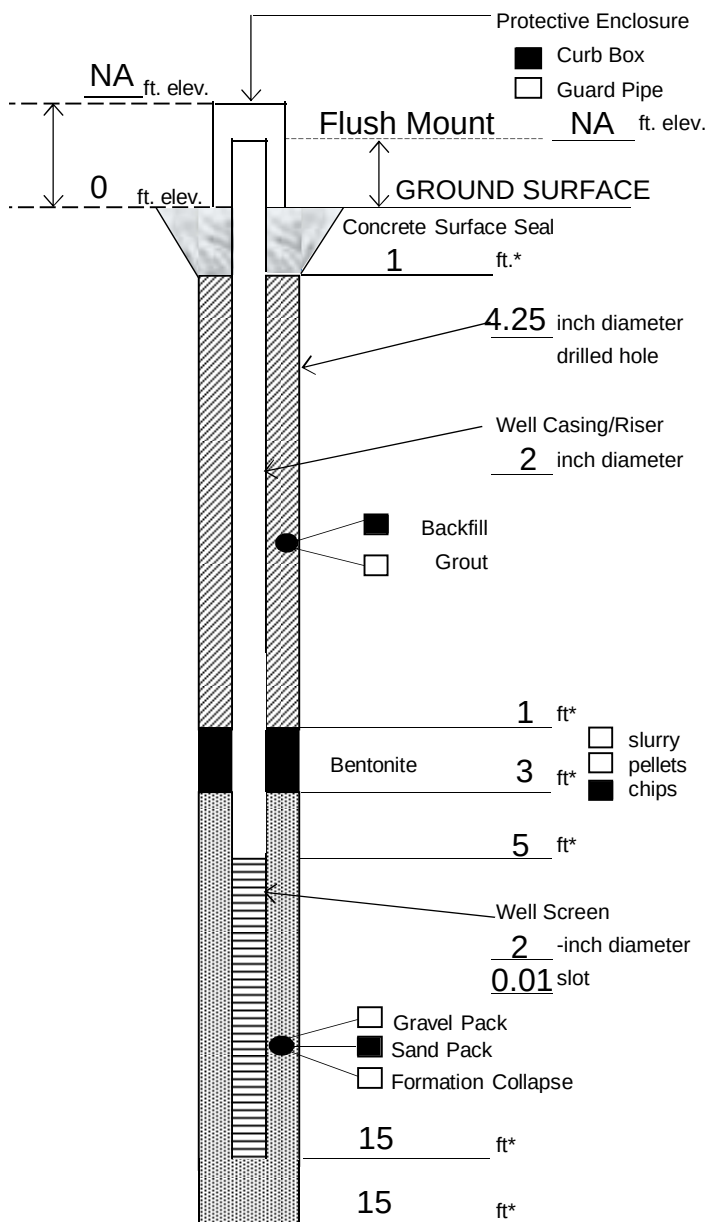
Notes:



C.T. MALE ASSOCIATES

Well No. MW-02

MONITORING WELL CONSTRUCTION LOG



* Depth below ground surface.

Project Name: 50 Raymond Ave

Project Number: 24.5088

Well No.: MW-02 Boring No.: SB-08

Town/City: Poughkeepsie

County: Dutchess State: NY

Installation Date(s): 11/14/2024

Drilling Contractor: Core Down Drilling

Drilling Method: Hollow Stem Auger

Water Depth From Top of Riser: 11.65 ft 11/18/2024
Date

C.T. Male Observer: E. Rigby

Materials Used:

7 Bags of Sand
Sand Size: #2 Brand: Filpro and AceCrete
0.75 Bags of Bentonite (5 lb. bags)
Brand: HolePlug
10 ft. of sch.40 PVC well screen
5 ft. of sch.40 PVC well riser
<1 Bags of Cement/Concrete (50 lb. bags)
Brand: QuiKrete

Grout Mixture:

NA Bags of Cement (NA lb. bags)
NA Lbs. of Bentonite
NA Gallons of Water
NA Grout Batches

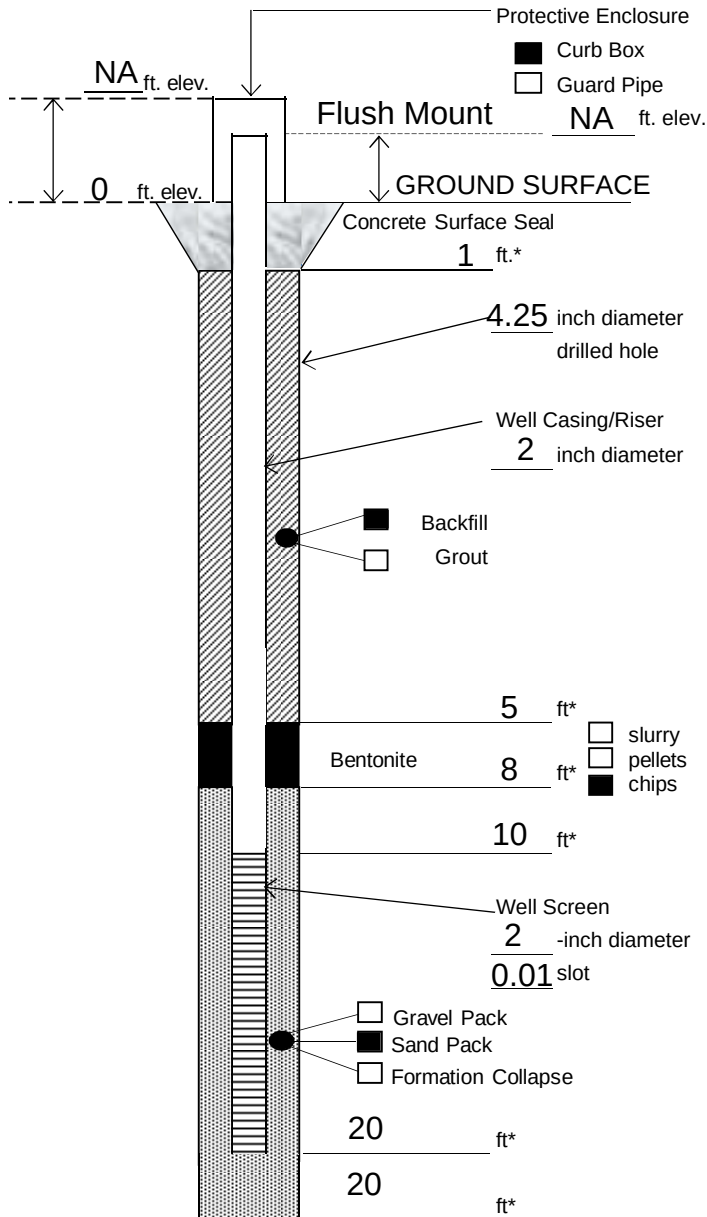
Notes:



C.T. MALE ASSOCIATES

Well No. MW-03

MONITORING WELL CONSTRUCTION LOG



* Depth below ground surface.

Project Name: 50 Raymond Ave

Project Number: 24.5088

Well No.: MW-03 Boring No.: SB-07

Town/City: Poughkeepsie

County: Dutchess State: NY

Installation Date(s): 11/14/2024

Drilling Contractor: Core Down Drilling

Drilling Method: Hollow Stem Auger

Water Depth From Top of Riser: 12.20 ft 11/18/2024
Date

C.T. Male Observer: E. Rigby

Materials Used:

6.5 Bags of Sand
Sand Size: #2 Brand: AceCrete
1 Bags of Bentonite (50 lb. bags)
Brand: HolePlug
10 ft. of sch. 40 PVC well screen
10 ft. of sch. 40 PVC well riser
<1 Bags of Cement/Concrete (50 lb. bags)
Brand: QuiKrete

Grout Mixture:

NA Bags of Cement (NA lb. bags)
NA Lbs. of Bentonite
NA Gallons of Water
NA Grout Batches

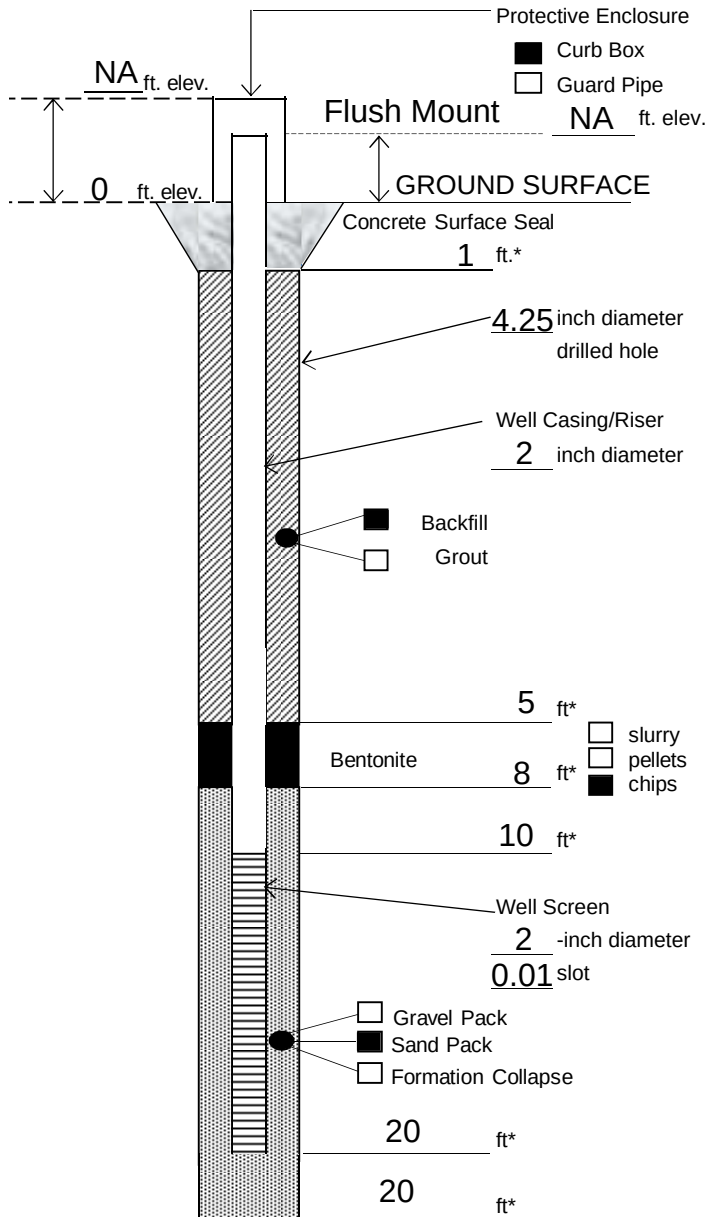
Notes:



C.T. MALE ASSOCIATES

Well No. MW-04

MONITORING WELL CONSTRUCTION LOG



* Depth below ground surface.

Project Name: 50 Raymond Ave

Project Number: 24.5088

Well No.: MW-04 Boring No.: SB-04

Town/City: Poughkeepsie

County: Dutchess State: NY

Installation Date(s): 11/15/2024

Drilling Contractor: Core Down Drilling

Drilling Method: Hollow Stem Auger

Water Depth From Top of Riser: 11.80 ft 11/19/2024
Date

C.T. Male Observer: E. Rigby

Materials Used:

6 Bags of Sand
Sand Size: #2 Brand: AceCrete
1 Bags of Bentonite (50 lb. bags)
Brand: HolePlug
10 ft. of sch. 40 PVC well screen
10 ft. of sch. 40 PVC well riser
<1 Bags of Cement/Concrete (50 lb. bags)
Brand: QuiKrete

Grout Mixture:

NA Bags of Cement (NA lb. bags)
NA Lbs. of Bentonite
NA Gallons of Water
NA Grout Batches

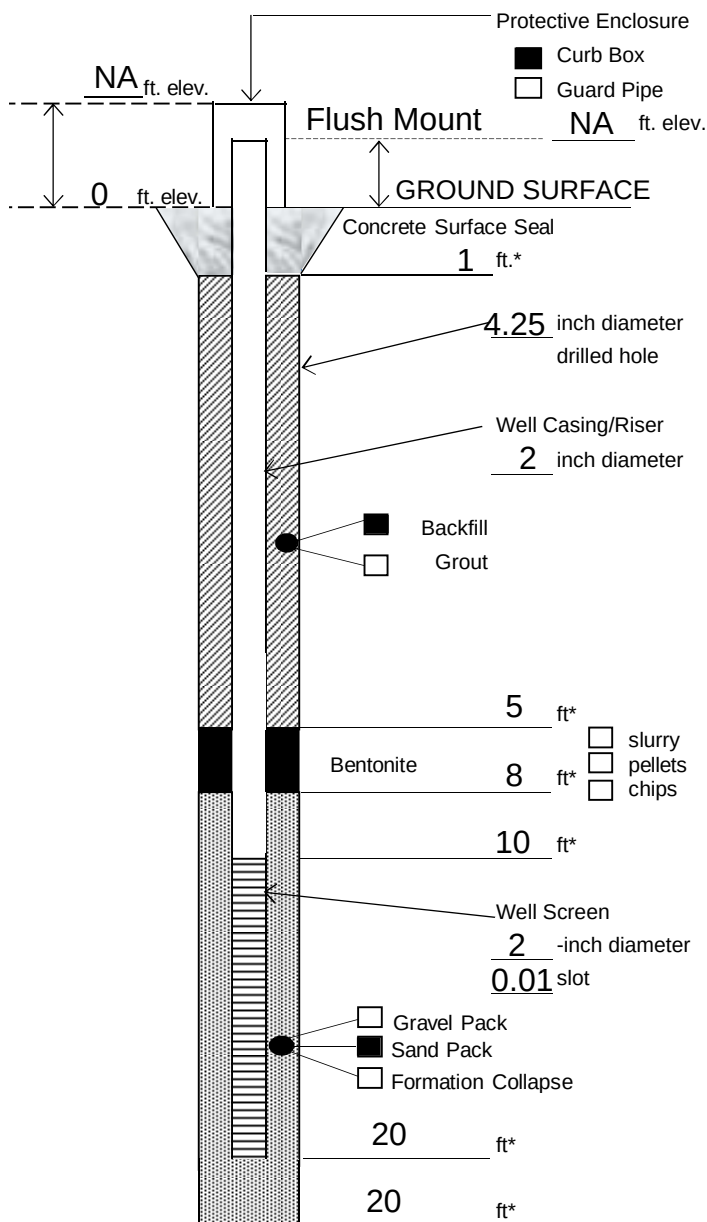
Notes:



C.T. MALE ASSOCIATES

Well No. MW-05

MONITORING WELL CONSTRUCTION LOG



* Depth below ground surface.

Project Name: 50 Raymond Ave

Project Number: 24.5088

Well No.: MW-05 Boring No.: SB-16

Town/City: Poughkeepsie

County: Dutchess State: NY

Installation Date(s): 11/15/2024

Drilling Contractor: Core Down Drilling

Drilling Method: Hollow Stem Auger

Water Depth From Top of Riser: 12.00 ft 11/19/2024
Date

C.T. Male Observer: E. Rigby

Materials Used:

5 Bags of Sand
Sand Size: #2 Brand: AceCrete
1 Bags of Bentonite (50 lb. bags)
Brand: HolePlug
10 ft. of sch. 40 PVC well screen
10 ft. of sch. 40 PVC well riser
<1 Bags of Cement/Concrete (50 lb. bags)
Brand: QuiKrete

Grout Mixture:

NA Bags of Cement (NA lb. bags)
NA Lbs. of Bentonite
NA Gallons of Water
NA Grout Batches

Notes:

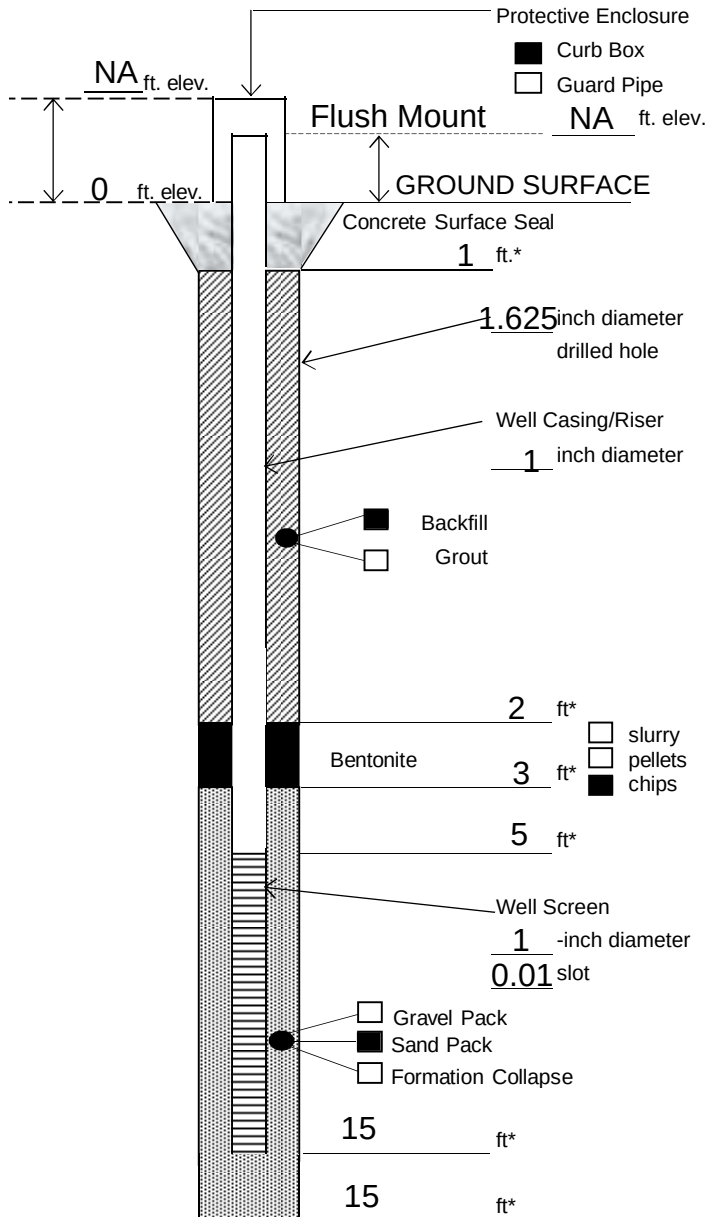
Petroleum Contamination detected at MW-05
Petroleum odors noted. PID Reading of
211ppm 10-15 ft below ground surface.



C.T. MALE ASSOCIATES

Well No. MW-06

MONITORING WELL CONSTRUCTION LOG



* Depth below ground surface.

Project Name: 50 Raymond Ave

Project Number: 24.5088

Well No.: MW-06 Boring No.: SB-18

Town/City: Poughkeepsie

County: Dutchess State: NY

Installation Date(s): 11/18/2024

Drilling Contractor: Core Down Drilling

Drilling Method: Hollow Stem Auger

Water Depth From Top of Riser: 6.61 ft 11/20/2024 Date

C.T. Male Observer: E. Rigby

Materials Used:

0.5 Bags of Sand
Sand Size: #2 Brand: AceCrete

0.25 Bags of Bentonite (50 lb. bags)
Brand: HolePlug

10 ft. of sch. 40 PVC well screen

5 ft. of sch. 40 PVC well riser

NA Bags of Cement/Concrete (NA lb. bags)
Brand: NA

Grout Mixture:

NA Bags of Cement (NA lb. bags)

NA Lbs. of Bentonite

NA Gallons of Water

NA Grout Batches

Notes:

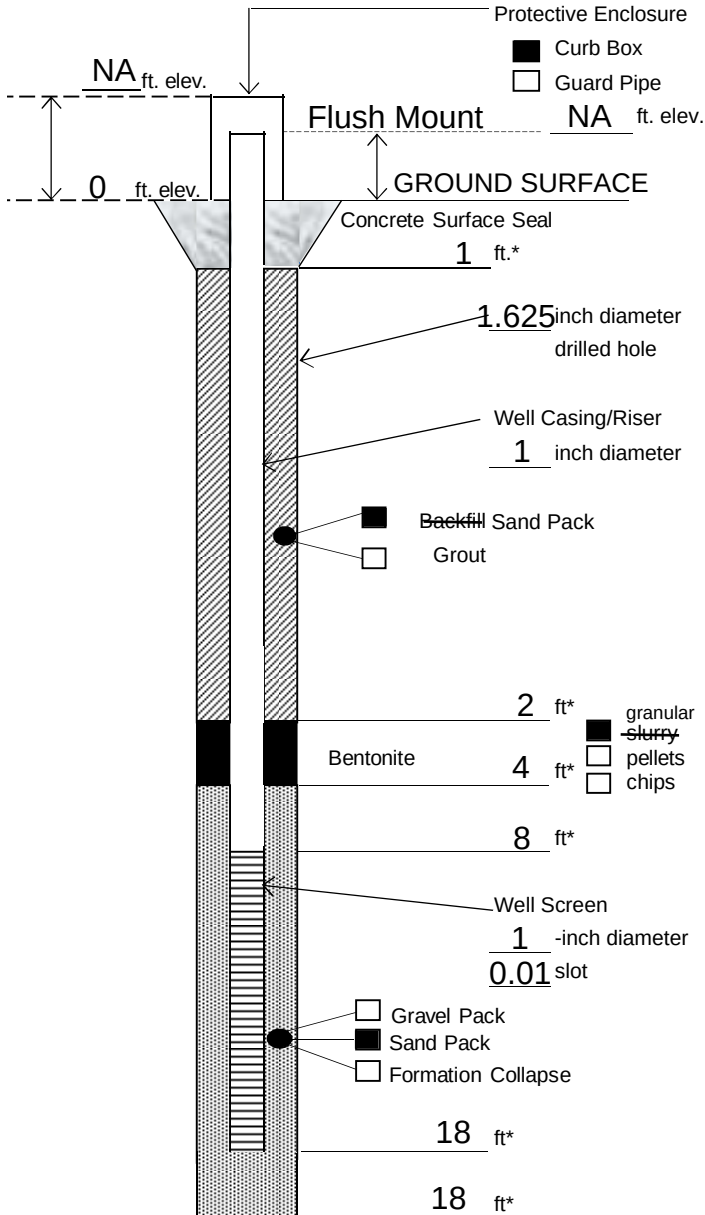
MW-06 is located in the basement of 50 Raymond Ave. The depths are noted from the basement floor. The depth of the basement floor is approximately 10 feet below ground surface.



C.T. MALE ASSOCIATES

Well No. MW-07

MONITORING WELL CONSTRUCTION LOG



* Depth below ground surface.

Project Name: 50 Raymond Ave

Project Number: 24.5088

Well No.: MW-07 Boring No.: SB-19

Town/City: Poughkeepsie

County: Dutchess State: NY

Installation Date(s): 11/18/2024

Drilling Contractor: Core Down Drilling

Drilling Method: Hollow Stem Auger

Water Depth From Top of Riser: 12.04 ft 11/20/2024
Date

C.T. Male Observer: E. Rigby

Materials Used:

1 Bags of Sand
Sand Size: #2 Brand: AceCrete
0.5 Bags of Bentonite (50 lb. bags)
Brand: HolePlug
10 ft. of sch. 40 PVC well screen
10 ft. of sch. 40 PVC well riser
NA Bags of Cement/Concrete (NA lb. bags)
Brand: NA

Grout Mixture:

NA Bags of Cement (NA lb. bags)
NA Lbs. of Bentonite
NA Gallons of Water
NA Grout Batches

Notes:

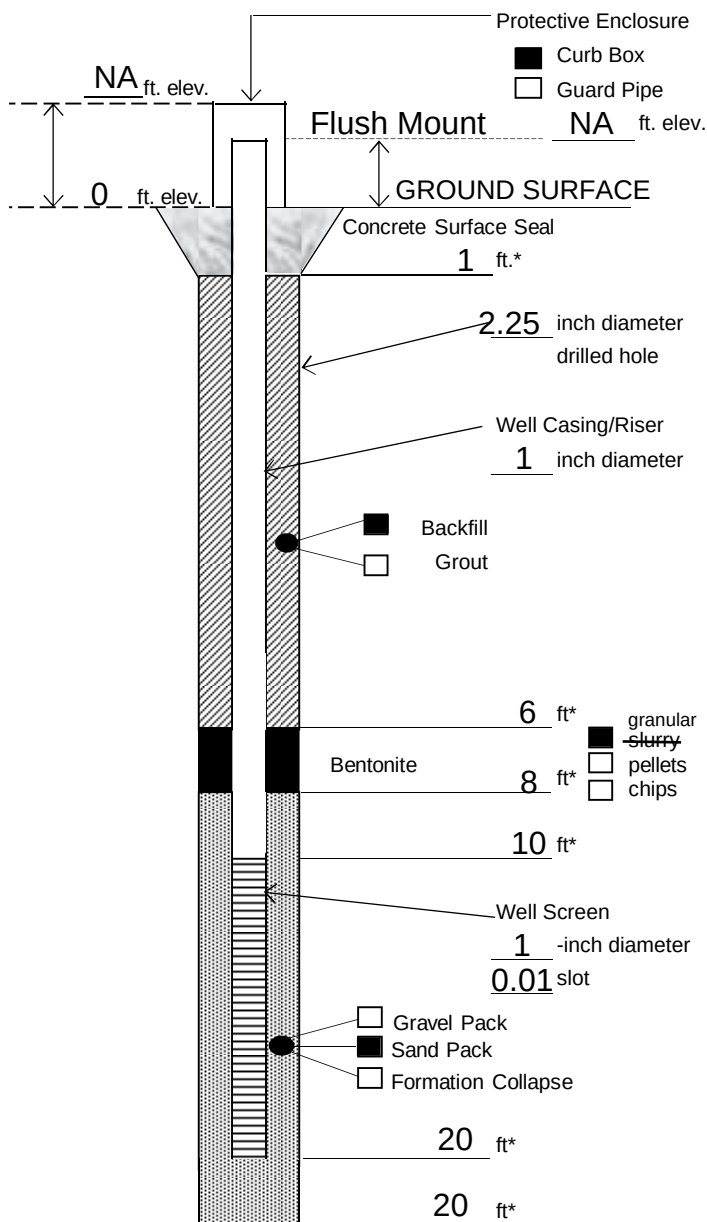
Petroleum Contamination detected at MW-07
Petroleum odors noted. PID Reading of 516
ppm 12-15 ft below ground surface.



C.T. MALE ASSOCIATES

Well No. MW-08

MONITORING WELL CONSTRUCTION LOG



* Depth below ground surface.

Project Name: 50 Raymond Ave

Project Number: 24.5088

Well No.: MW-08 Boring No.: SB-20

Town/City: Poughkeepsie

County: Dutchess State: NY

Installation Date(s): 11/25/2024

Drilling Contractor: Core Down Drilling

Drilling Method: Hollow Stem Auger

Water Depth From Top of Riser: 10.71 ft 11/26/2024
Date

C.T. Male Observer: E. Rigby

Materials Used:

0.5 Bags of Sand
Sand Size: #2 Brand: AceCrete
0.5 Bags of Bentonite (50 lb. bags)
Brand: Benseal
10 ft. of sch. 40 PVC well screen
10 ft. of sch. 40 PVC well riser
<1 Bags of Cement/Concrete (80 lb. bags)
Brand: QuiKrete

Grout Mixture:

NA Bags of Cement (NA lb. bags)
NA Lbs. of Bentonite
NA Gallons of Water
NA Grout Batches

Notes:

APPENDIX F

Results Summary Tables

TABLE 1
SOIL SAMPLE RESULTS SUMMARY (NOT VALIDATED DATA)
50 RAYMOND AVENUE SITE
TOWN OF POUGHKEEPSIE, DUTCHESS COUNTY, NY
NOVEMBER 2024

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH (feet bgs): SAMPLE MATRIX:				SB-02-10-15 L2464355-08 11/4/2024 10-15 SOIL		SB-03-0-5 L2464355-03 11/4/2024 0-5 SOIL		SB-03-5-10 L2464355-04 11/4/2024 5-10 SOIL		SB-04-0-5 L2464355-05 11/4/2024 0-5 SOIL		SB-04-10-15 L2464355-06 11/4/2024 10-15 SOIL		SB-05-10-15 L2464699-02 11/5/2024 10-15 SOIL		SB-06-0-5 L2464699-03 11/5/2024 0-5 SOIL		SB-06-10-15 L2464699-04 11/5/2024 10-15 SOIL		SB-07-0-5 L2464699-05 11/5/2024 0-5 SOIL		SB-07-10-15 L2464699-06 11/5/2024 10-15 SOIL		SB-08-10-15 L2467124-02 11/14/2024 10-15 SOIL	
PARAMETER	NY-RESRR	NY-UNRES	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organic Compounds																									
Chloroform	49	0.37	mg/kg	0.0019	U	-	-	0.00098	U	-	-	0.0015	U	0.0018	U	-	-	0.0019	U	-	-	0.0019	U	0.002	U
Tetrachloroethene	19	1.3	mg/kg	0.0016		-	-	0.00037		-	-	0.0034		0.0029		-	-	0.003		-	-	0.0036		0.0012	
Benzene	4.8	0.06	mg/kg	0.00062	U	-	-	0.00032	U	-	-	0.00051	U	0.00062	U	-	-	0.00064	U	-	-	0.00063	U	0.00066	U
Ethylbenzene	41	1	mg/kg	0.0012	U	-	-	0.00065	U	-	-	0.001	U	0.0012	U	-	-	0.0013	U	-	-	0.0013	U	0.0013	U
Trichloroethene	21	0.47	mg/kg	0.00062	U	-	-	0.00032	U	-	-	0.00051	U	0.00062	U	-	-	0.00063	J	-	-	0.0029		0.00066	U
1,4-Dichlorobenzene	13	1.8	mg/kg	0.0025	U	-	-	0.0013	U	-	-	0.002	U	0.0025	U	-	-	0.0025	U	-	-	0.0025	U	0.0026	U
cis-1,2-Dichloroethene	100	0.25	mg/kg	0.0012	U	-	-	0.00065	U	-	-	0.001	U	0.0012	U	-	-	0.0013	U	-	-	0.0013	U	0.0013	U
Acetone	100	0.05	mg/kg	0.012	U	-	-	0.0065	U	-	-	0.01	U	0.012	U	-	-	0.013	U	-	-	0.013	U	0.013	U
Isopropylbenzene	NS	NS	mg/kg	0.0012	U	-	-	0.00065	U	-	-	0.001	U	0.0012	U	-	-	0.0013	U	-	-	0.0013	U	0.0013	U
Methyl cyclohexane	NS	NS	mg/kg	0.005	U	-	-	0.0026	U	-	-	0.0041	U	0.0049	U	-	-	0.0051	U	-	-	0.0051	U	0.0052	U
Semivolatile Organic Compounds																									
Acenaphthene	100	20	mg/kg	0.14	U	-	-	0.14	U	-	-	0.15	U	0.14	U	-	-	0.14	U	-	-	0.14	U	0.15	U
Fluoranthene	100	100	mg/kg	0.11	U	-	-	0.1	U	-	-	0.11	U	0.11	U	-	-	0.11	U	-	-	0.11	U	0.12	U
Benzo(a)anthracene	1	1	mg/kg	0.11	U	-	-	0.1	U	-	-	0.11	U	0.11	U	-	-	0.11	U	-	-	0.11	U	0.12	U
Benzo(b)fluoranthene	1	1	mg/kg	0.11	U	-	-	0.1	U	-	-	0.11	U	0.11	U	-	-	0.11	U	-	-	0.11	U	0.12	U
Chrysene	3.9	1	mg/kg	0.11	U	-	-	0.1	U	-	-	0.11	U	0.11	U	-	-	0.11	U	-	-	0.11	U	0.12	U
Acenaphthylene	100	100	mg/kg	0.14	U	-	-	0.14	U	-	-	0.15	U	0.14	U	-	-	0.14	U	-	-	0.14	U	0.15	U
Anthracene	100	100	mg/kg	0.11	U	-	-	0.1	U	-	-	0.11	U	0.11	U	-	-	0.11	U	-	-	0.11	U	0.12	U
Fluorene	100	30	mg/kg	0.18	U	-	-	0.18	U	-	-	0.18	U	0.18	U	-	-	0.18	U	-	-	0.18	U	0.19	U
Phenanthrene	100	100	mg/kg	0.11	U	-	-	0.1	U	-	-	0.11	U	0.11	U	-	-	0.11	U	-	-	0.11	U	0.12	U
Pyrene	100	100	mg/kg	0.11	U	-	-	0.1	U	-	-	0.11	U	0.11	U	-	-	0.11	U	-	-	0.11	U	0.12	U
Total Metals																									
Aluminum, Total	NS	NS	mg/kg	-	-	11200		-	-	6810		-	-	-	-	15400		-	-	9130		-	-	-	-
Antimony, Total	NS	NS	mg/kg	-	-	4.16	U	-	-	8.64	U	-	-	-	-	1.24	J	-	-	0.597	J	-	-	-	-
Arsenic, Total	16	13	mg/kg	-	-	8.48		-	-	8.68		-	-	-	-	10.4		-	-	7.38		-	-	-	-
Barium, Total	400	350	mg/kg	-	-	36		-	-	47.5		-	-	-	-	115		-	-	32.1		-	-	-	-
Beryllium, Total	72	7.2	mg/kg	-	-	0.484		-	-	0.349	J	-	-	-	-	0.64		-	-	0.402	J	-	-	-	-
Cadmium, Total	4.3	2.5	mg/kg	-	-	0.831	U	-	-	1.73	U	-	-	-	-	0.32	J	-	-	0.82	U	-	-	-	-
Calcium, Total	NS	NS	mg/kg	-	-	26000		-	-	92200		-	-	-	-	7240		-	-	79800		-	-	-	-
Chromium, Total	NS	NS	mg/kg	-	-	14.3		-	-	10.4		-	-	-	-	17.9		-	-	12		-	-	-	-
Cobalt, Total	NS	NS	mg/kg	-	-	8.9		-	-	5.31		-	-	-	-	10		-	-	6.43		-	-	-	-
Copper, Total	270	50	mg/kg	-	-	26.9		-	-	19.7		-	-	-	-	37.2		-	-	26		-	-	-	-
Iron, Total	NS	NS	mg/kg	-	-	23300		-	-	15100		-	-	-	-	25100		-	-	18000		-	-	-	-
Lead, Total	400	63	mg/kg	-	-	50.2		-	-	39		-	-	-	-	193		-	-	79.7		-	-	-	-
Magnesium, Total	NS	NS	mg/kg	-	-	16700		-	-	47600		-	-	-	-	8400		-	-	47900		-	-	-	-
Manganese, Total	2000	1600	mg/kg	-	-	540		-	-	402		-	-	-	-	885		-	-	431		-	-	-	-
Mercury, Total	0.81	0.18	mg/kg	-	-	0.09		-	-	0.076	J	-	-	-	-	0.4		-	-	0.087		-	-	-	-
Nickel, Total	310	30	mg/kg	-	-	19.1		-	-	11.9		-	-	-	-	22.4		-	-	15.6		-	-	-	-
Potassium, Total	NS	NS	mg/kg	-	-	454		-	-	710		-	-	-	-	608		-	-	451		-	-	-	-
Selenium, Total	180	3.9	mg/kg	-	-	1.66	U	-	-	3.46	U	-	-	-	-	0.264	J	-	-	1.64	U	-	-	-	-
Silver, Total	180	2	mg/kg	-	-	0.254	J	-	-	0.864	U	-	-	-	-	0.424	J	-	-	0.41	U	-	-	-	-
Sodium, Total	NS	NS	mg/kg	-	-	46.8	J	-	-	121	J	-	-	-	-	576		-	-	549		-	-	-	-
Thallium, Total	NS	NS	mg/kg	-	-	1.66	U	-	-	3.46	U	-	-	-	-	1.85	U	-	-	1.64	U	-	-	-	-
Vanadium, Total	NS	NS	mg/kg	-	-	14.2		-	-	16.8		-	-	-	-	23		-	-	16.1		-	-	-	-
Zinc, Total	10000	109	mg/kg	-	-	75.8		-	-	57.4		-	-	-	-	148		-	-	73.6		-	-	-	-

J: Analyte Detected Below the Reporting Limit

U: Analyte Not Detected

- : Analysis Was Not Performed

Bold: Exceeds NY-Unrestricted Use Criteria

Bold and Highlighted: Exceeds NY-Restricted Residential Criteria

NS: No Standard

NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

TABLE 1
SOIL SAMPLE RESULTS SUMMARY (NOT VALIDATED DATA)
50 RAYMOND AVENUE SITE
TOWN OF POUGHKEEPSIE, DUTCHESS COUNTY, NY
NOVEMBER 2024

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH (feet bgs): SAMPLE MATRIX:				SB-09-5-10 L2464355-01 11/4/2024 5-10 SOIL		SB-10-0-2.5 L2467124-03 11/14/2024 0-2.5 SOIL		SB-10-12.5-14.5 L2467124-04 11/14/2024 12.5-14.5 SOIL		SB-11-0-5 L2464699-07 11/5/2024 0-5 SOIL		SB-11-13-15 L2464699-08 11/5/2024 13-15 SOIL		SB-12-0-5 L2464699-09 11/5/2024 0-5 SOIL		SB-12-10-15 L2464699-10 11/5/2024 10-15 SOIL		SB-13-0-5 L2464699-11 11/5/2024 0-5 SOIL		SB-13-10-15 L2464699-12 11/5/2024 10-15 SOIL		SB-14-10-15 L2464355-10 11/4/2024 10-15 SOIL		SB-15-10-15 L2464355-15 11/4/2024 10-15 SOIL	
PARAMETER	NY-RESRR	NY-UNRES	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organic Compounds																									
Chloroform	49	0.37	mg/kg	0.0015	U	-	-	0.0021	U	-	-	0.0018	U	-	-	0.00025	J	-	-	0.0024	U	0.0016	U	0.002	U
Tetrachloroethene	19	1.3	mg/kg	0.0005	U	-	-	0.00045	J	-	-	0.0021		-	-	0.0079		-	-	0.0026		0.0017		0.0015	
Benzene	4.8	0.06	mg/kg	0.00026	J	-	-	0.0007	U	-	-	0.0006	U	-	-	0.0007	U	-	-	0.0008	U	0.00054	U	0.00068	U
Ethylbenzene	41	1	mg/kg	0.001	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0014	U	-	-	0.0016	U	0.0011	U	0.0014	U
Trichloroethene	21	0.47	mg/kg	0.0003	J	-	-	0.0013		-	-	0.0011		-	-	0.002		-	-	0.00074	J	0.00054	U	0.00068	U
1,4-Dichlorobenzene	13	1.8	mg/kg	0.002	U	-	-	0.0028	U	-	-	0.0024	U	-	-	0.0028	U	-	-	0.0032	U	0.0022	U	0.0027	U
cis-1,2-Dichloroethene	100	0.25	mg/kg	0.001	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0014	U	-	-	0.0016	U	0.0011	U	0.0014	U
Acetone	100	0.05	mg/kg	0.01	U	-	-	0.014	U	-	-	0.012	U	-	-	0.014	U	-	-	0.016	U	0.011	U	0.014	U
Isopropylbenzene	NS	NS	mg/kg	0.001	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0014	U	-	-	0.0016	U	0.0011	U	0.0014	U
Methyl cyclohexane	NS	NS	mg/kg	0.004	U	-	-	0.0056	U	-	-	0.0048	U	-	-	0.0056	U	-	-	0.0064	U	0.0043	U	0.0054	U
Semivolatile Organic Compounds																									
Acenaphthene	100	20	mg/kg	0.15	U	-	-	0.16	U	-	-	0.15	U	-	-	0.15	U	-	-	0.15	U	0.14	U	0.15	U
Fluoranthene	100	100	mg/kg	0.11	U	-	-	0.12	U	-	-	0.12	U	-	-	0.11	U	-	-	0.052	J	0.11	U	0.11	U
Benzo(a)anthracene	1	1	mg/kg	0.11	U	-	-	0.12	U	-	-	0.12	U	-	-	0.11	U	-	-	0.027	J	0.11	U	0.11	U
Benzo(b)fluoranthene	1	1	mg/kg	0.11	U	-	-	0.12	U	-	-	0.12	U	-	-	0.11	U	-	-	0.034	J	0.11	U	0.11	U
Chrysene	3.9	1	mg/kg	0.11	U	-	-	0.12	U	-	-	0.12	U	-	-	0.11	U	-	-	0.026	J	0.11	U	0.11	U
Acenaphthylene	100	100	mg/kg	0.15	U	-	-	0.16	U	-	-	0.15	U	-	-	0.15	U	-	-	0.15	U	0.14	U	0.15	U
Anthracene	100	100	mg/kg	0.11	U	-	-	0.12	U	-	-	0.12	U	-	-	0.11	U	-	-	0.11	U	0.11	U	0.11	U
Fluorene	100	30	mg/kg	0.19	U	-	-	0.21	U	-	-	0.19	U	-	-	0.19	U	-	-	0.18	U	0.18	U	0.18	U
Phenanthrene	100	100	mg/kg	0.11	U	-	-	0.12	U	-	-	0.12	U	-	-	0.11	U	-	-	0.029	J	0.11	U	0.11	U
Pyrene	100	100	mg/kg	0.11	U	-	-	0.12	U	-	-	0.12	U	-	-	0.11	U	-	-	0.045	J	0.11	U	0.11	U
Total Metals																									
Aluminum, Total	NS	NS	mg/kg	-	-	7170		-	-	12100		-	-	15500		-	-	15900		-	-	-	-	-	-
Antimony, Total	NS	NS	mg/kg	-	-	0.88	J	-	-	0.602	J	-	-	2.36	J	-	-	1.04	J	-	-	-	-	-	-
Arsenic, Total	16	13	mg/kg	-	-	14.9		-	-	5.52		-	-	11.9		-	-	8.18		-	-	-	-	-	-
Barium, Total	400	350	mg/kg	-	-	63.2		-	-	30.6		-	-	184		-	-	44.8		-	-	-	-	-	-
Beryllium, Total	72	7.2	mg/kg	-	-	0.413	J	-	-	0.394	J	-	-	0.604		-	-	0.571		-	-	-	-	-	-
Cadmium, Total	4.3	2.5	mg/kg	-	-	0.201	J	-	-	0.152	J	-	-	0.541	J	-	-	0.251	J	-	-	-	-	-	-
Calcium, Total	NS	NS	mg/kg	-	-	3420		-	-	10500		-	-	2880		-	-	1970		-	-	-	-	-	-
Chromium, Total	NS	NS	mg/kg	-	-	11.7		-	-	12.8		-	-	20.8		-	-	16.6		-	-	-	-	-	-
Cobalt, Total	NS	NS	mg/kg	-	-	6.05		-	-	8.99		-	-	12		-	-	10.3		-	-	-	-	-	-
Copper, Total	270	50	mg/kg	-	-	27.8		-	-	25.7		-	-	986		-	-	34.3		-	-	-	-	-	-
Iron, Total	NS	NS	mg/kg	-	-	15100		-	-	23200		-	-	30300		-	-	28100		-	-	-	-	-	-
Lead, Total	400	63	mg/kg	-	-	135		-	-	17.6		-	-	376		-	-	78.8		-	-	-	-	-	-
Magnesium, Total	NS	NS	mg/kg	-	-	2840		-	-	9480		-	-	7060		-	-	6780		-	-	-	-	-	-
Manganese, Total	2000	1600	mg/kg	-	-	410		-	-	786		-	-	1040		-	-	772		-	-	-	-	-	-
Mercury, Total	0.81	0.18	mg/kg	-	-	0.081		-	-	0.053	J	-	-	0.282		-	-	0.083		-	-	-	-	-	-
Nickel, Total	310	30	mg/kg	-	-	14.8		-	-	20.4		-	-	25		-	-	23.7		-	-	-	-	-	-
Potassium, Total	NS	NS	mg/kg	-	-	472		-	-	421		-	-	589		-	-	397		-	-	-	-	-	-
Selenium, Total	180	3.9	mg/kg	-	-	1.76	U	-	-	1.64	U	-	-	1.7	U	-	-	1.99	U	-	-	-	-	-	-
Silver, Total	180	2	mg/kg	-	-	0.441	U	-	-	0.411	U	-	-	2.12		-	-	0.499	U	-	-	-	-	-	-
Sodium, Total	NS	NS	mg/kg	-	-	96.5	J	-	-	197		-	-	131	J	-	-	33.3	J	-	-	-	-	-	-
Thallium, Total	NS	NS	mg/kg	-	-	0.862	J	-	-	1.64	U	-	-	1.7	U	-	-	1.99	U	-	-	-	-	-	-
Vanadium, Total	NS	NS	mg/kg	-	-	16.6		-	-	12.9		-	-	17.5		-	-	17.5		-	-	-	-	-	-
Zinc, Total	10000	109	mg/kg	-	-	65.6		-	-	59.8		-	-	349		-	-	91.8		-	-	-	-	-	-

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TOWN OF POUGHKEEPSIE, DUTCHESS COUNTY, NY
NOVEMBER 2024

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH (feet bgs): SAMPLE MATRIX:				SB-16-10-15 L2464355-14 11/4/2024 10-15 SOIL		SB-17-10-15 L2464355-12 11/4/2024 10-15 SOIL		SB-18-3-6 L2467991-07 11/18/2024 3-6 SOIL		SB-19-12-15 L2467991-09 11/18/2024 12-15 SOIL		SB-20-12-15 L2469861-02 11/25/2024 12-15 SOIL	
PARAMETER	NY-RESRR	NY-UNRES	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organic Compounds													
Chloroform	49	0.37	mg/kg	0.0014	U	0.00069	U	0.0026	U	0.11	U	0.002	U
Tetrachloroethene	19	1.3	mg/kg	0.0012		0.00075		0.0004	J	0.037	U	0.00067	U
Benzene	4.8	0.06	mg/kg	0.00046	U	0.00023	U	0.00088	U	0.037	U	0.00067	U
Ethylbenzene	41	1	mg/kg	0.00092	U	0.00046	U	0.0018	U	0.029	J	0.0013	U
Trichloroethene	21	0.47	mg/kg	0.00025	J	0.00023	U	0.00088	U	0.037	U	0.00041	J
1,4-Dichlorobenzene	13	1.8	mg/kg	0.0018	U	0.00091	U	0.0035	U	0.15	U	0.00054	J
cis-1,2-Dichloroethene	100	0.25	mg/kg	0.00092	U	0.00046	U	0.0018	U	0.074	U	0.00068	J
Acetone	100	0.05	mg/kg	0.0092	U	0.0046	U	0.018	U	0.74	U	0.011	J
Isopropylbenzene	NS	NS	mg/kg	0.00092	U	0.00046	U	0.0018	U	0.65		0.0013	U
Methyl cyclohexane	NS	NS	mg/kg	0.0037	U	0.0018	U	0.0071	U	0.27	J	0.0053	U
Semivolatile Organic Compounds													
Acenaphthene	100	20	mg/kg	0.15	U	0.14	U	0.14	U	1		0.16	U
Fluoranthene	100	100	mg/kg	0.11	U	0.11	U	0.1	U	0.12		0.12	U
Benzo(a)anthracene	1	1	mg/kg	0.11	U	0.11	U	0.1	U	0.11	U	0.12	U
Benzo(b)fluoranthene	1	1	mg/kg	0.11	U	0.11	U	0.1	U	0.11	U	0.12	U
Chrysene	3.9	1	mg/kg	0.11	U	0.11	U	0.1	U	0.044	J	0.12	U
Acenaphthylene	100	100	mg/kg	0.15	U	0.14	U	0.14	U	0.42		0.16	U
Anthracene	100	100	mg/kg	0.11	U	0.11	U	0.1	U	0.38		0.12	U
Fluorene	100	30	mg/kg	0.19	U	0.18	U	0.17	U	1.7		0.19	U
Phenanthrene	100	100	mg/kg	0.11	U	0.11	U	0.1	U	3.1		0.12	U
Pyrene	100	100	mg/kg	0.11	U	0.11	U	0.1	U	0.47		0.12	U
Total Metals													
Aluminum, Total	NS	NS	mg/kg	-	-	-	-	-	-	-	-	-	-
Antimony, Total	NS	NS	mg/kg	-	-	-	-	-	-	-	-	-	-
Arsenic, Total	16	13	mg/kg	-	-	-	-	-	-	-	-	-	-
Barium, Total	400	350	mg/kg	-	-	-	-	-	-	-	-	-	-
Beryllium, Total	72	7.2	mg/kg	-	-	-	-	-	-	-	-	-	-
Cadmium, Total	4.3	2.5	mg/kg	-	-	-	-	-	-	-	-	-	-
Calcium, Total	NS	NS	mg/kg	-	-	-	-	-	-	-	-	-	-
Chromium, Total	NS	NS	mg/kg	-	-	-	-	-	-	-	-	-	-
Cobalt, Total	NS	NS	mg/kg	-	-	-	-	-	-	-	-	-	-
Copper, Total	270	50	mg/kg	-	-	-	-	-	-	-	-	-	-
Iron, Total	NS	NS	mg/kg	-	-	-	-	-	-	-	-	-	-
Lead, Total	400	63	mg/kg	-	-	-	-	-	-	-	-	-	-
Magnesium, Total	NS	NS	mg/kg	-	-	-	-	-	-	-	-	-	-
Manganese, Total	2000	1600	mg/kg	-	-	-	-	-	-	-	-	-	-
Mercury, Total	0.81	0.18	mg/kg	-	-	-	-	-	-	-	-	-	-
Nickel, Total	310	30	mg/kg	-	-	-	-	-	-	-	-	-	-
Potassium, Total	NS	NS	mg/kg	-	-	-	-	-	-	-	-	-	-
Selenium, Total	180	3.9	mg/kg	-	-	-	-	-	-	-	-	-	-
Silver, Total	180	2	mg/kg	-	-	-	-	-	-	-	-	-	-
Sodium, Total	NS	NS	mg/kg	-	-	-	-	-	-	-	-	-	-
Thallium, Total	NS	NS	mg/kg	-	-	-	-	-	-	-	-	-	-
Vanadium, Total	NS	NS	mg/kg	-	-	-	-	-	-	-	-	-	-
Zinc, Total	10000	109	mg/kg	-	-	-	-	-	-	-	-	-	-

J: Analyte Detected Below the Reporting Limit

U: Analyte Not Detected

- : Analysis Was Not Performed

Bold: Exceeds NY-Unrestricted Use Criteria

Bold and Highlighted: Exceeds NY-Restricted Residential Criteria

NS: No Standard

NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

TABLE 2
GROUNDWATER SAMPLE RESULTS SUMMARY (NOT VALIDATED DATA)
50 RAYMOND AVENUE SITE
TOWN OF POUGHKEEPSIE, DUTCHESS COUNTY, NY
NOVEMBER 2024

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE MATRIX:			MW-01_20241118 L2467991-01 11/18/2024 GROUNDWATER		MW-02_20241118 L2467991-02 11/18/2024 GROUNDWATER		MW-03_20241118 L2467991-03 11/18/2024 GROUNDWATER		MW-04_20241119 L2467991-04 11/19/2024 GROUNDWATER		MW-05_20241119 L2467991-05 11/19/2024 GROUNDWATER		MW-06_20241120 L2468741-01 11/20/2024 GROUNDWATER		MW-07_20241120 L2468741-02 11/20/2024 GROUNDWATER		MW-08_20241126 L2469861-03 11/25/2024 GROUNDWATER	
PARAMETER	NY-AWQS	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organics																		
Chloroform	7	ug/l	1.2	J	1.4	J	1.1	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Tetrachloroethene	5	ug/l	15		11		13		11		9.8		0.55		3.5		7	
Trichloroethene	5	ug/l	2.8		1.1		0.5	U	0.5	U	0.18	J	0.5	U	0.49	J	0.88	
Isopropylbenzene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1.4	J	2.5	U
Semivolatile Organics																		
Acenaphthene	20	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.08	J	0.1	U	3.9		0.1	U
Fluoranthene	50	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.07	J	0.1	U	0.1	U	0.1	U
Benzo(a)anthracene	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.07	J	0.03	J	0.1	U	0.1	U
Benzo(a)pyrene	0	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.05	J	0.1	U	0.1	U	0.1	U
Benzo(b)fluoranthene	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.05	J	0.1	U	0.1	U	0.03	J
Benzo(k)fluoranthene	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.05	J	0.1	U	0.1	U	0.1	U
Chrysene	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.05	J	0.1	U	0.1	U	0.1	U
Acenaphthylene	NS	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.06	J	0.1	U	0.7		0.1	U
Anthracene	50	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.06	J	0.1	U	0.1	U	0.1	U
Benzo(ghi)perylene	NS	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.04	J	0.1	U	0.1	U	0.04	J
Fluorene	50	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.09	J	0.1	U	5.6		0.1	U
Phenanthrene	50	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.07	J	0.1	U	1.9		0.1	U
Dibenzo(a,h)anthracene	NS	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.04	J	0.1	U	0.1	U	0.04	J
Indeno(1,2,3-cd)pyrene	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.05	J	0.1	U	0.1	U	0.04	J
Pyrene	50	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.08	J	0.1	U	0.15		0.1	U

J: Analyte Detected Below the Reporting Limit
U: Analyte Not Detected
Bold: Exceeds NY-AWQS Criteria
NS: No Standard
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards & Guidance Values Criteria per Standards & Guidance Values including all addenda through February 2023.

APPENDIX G

Laboratory Analysis Report for Soil



ANALYTICAL REPORT

Lab Number:	L2464355
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12110
ATTN:	Rosaura Andujar-McNeil
Phone:	(518) 786-7400
Project Name:	50 RAYMOND AVE
Project Number:	24.5088
Report Date:	11/19/24

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

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



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464355
Report Date: 11/19/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2464355-01	SB-09-5-10	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/04/24 10:50	11/05/24
L2464355-02	SB-09-0-5	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/04/24 11:35	11/05/24
L2464355-03	SB-03-0-5	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/04/24 11:25	11/05/24
L2464355-04	SB-03-5-10	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/04/24 11:30	11/05/24
L2464355-05	SB-04-0-5	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/04/24 13:15	11/05/24
L2464355-06	SB-04-10-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/04/24 13:05	11/05/24
L2464355-07	SB-02-2.5-5	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/04/24 13:20	11/05/24
L2464355-08	SB-02-10-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/04/24 13:25	11/05/24
L2464355-09	SB-14-0-5	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/04/24 13:30	11/05/24
L2464355-10	SB-14-10-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/04/24 13:35	11/05/24
L2464355-11	SB-17-0-5	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/04/24 14:11	11/05/24
L2464355-12	SB-17-10-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/04/24 14:15	11/05/24
L2464355-13	SB-16-0-5	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/04/24 14:20	11/05/24
L2464355-14	SB-16-10-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/04/24 14:25	11/05/24
L2464355-15	SB-15-10-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/04/24 14:30	11/05/24
L2464355-16	SB-15-5-10	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/04/24 17:05	11/05/24
L2464355-17	TRIP BLANK	WATER	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/01/24 00:00	11/05/24

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464355
Report Date: 11/19/24

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

HOLD POLICY - For samples submitted on hold, 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: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464355
Report Date: 11/19/24

Case Narrative (continued)

Report Submission

November 19, 2024: This final report includes the results of all requested analyses. Additional requests will be reported separately.

November 13, 2024: This is a preliminary report. Please note that your project has contingency samples on hold. Contact your project manager to request additional analyses within 3 business days of receiving this report. Requests made after this time frame will be reported separately.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The analyses performed were specified by the client.

L2464355-17: A sample identified as "TRIP BLANK" was received, but not listed on the chain of custody. At the client's request, this sample was analyzed.

Total Metals

L2464355-03 and -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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

Authorized Signature:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 11/19/24

ORGANICS

VOLATILES

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-01

Date Collected: 11/04/24 10:50

Client ID: SB-09-5-10

Date Received: 11/05/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 11/11/24 14:58

Analyst: AJK

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	0.26	J	ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	0.30	J	ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-01**Date Collected:** 11/04/24 10:50**Client ID:** SB-09-5-10**Date Received:** 11/05/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.17	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.91	1
Acetone	ND		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.5	1
2-Butanone	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
Methyl Acetate	ND		ug/kg	4.0	0.95	1
Cyclohexane	ND		ug/kg	10	0.54	1
1,4-Dioxane	ND		ug/kg	80	35.	1
Freon-113	ND		ug/kg	4.0	0.69	1
Methyl cyclohexane	ND		ug/kg	4.0	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	103		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-04

Date Collected: 11/04/24 11:30

Client ID: SB-03-5-10

Date Received: 11/05/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 11/11/24 15:50

Analyst: AJK

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.2	1.5	1
1,1-Dichloroethane	ND		ug/kg	0.65	0.09	1
Chloroform	ND		ug/kg	0.98	0.09	1
Carbon tetrachloride	ND		ug/kg	0.65	0.15	1
1,2-Dichloropropane	ND		ug/kg	0.65	0.08	1
Dibromochloromethane	ND		ug/kg	0.65	0.09	1
1,1,2-Trichloroethane	ND		ug/kg	0.65	0.17	1
Tetrachloroethene	0.37		ug/kg	0.32	0.13	1
Chlorobenzene	ND		ug/kg	0.32	0.08	1
Trichlorofluoromethane	ND		ug/kg	2.6	0.45	1
1,2-Dichloroethane	ND		ug/kg	0.65	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	0.32	0.11	1
Bromodichloromethane	ND		ug/kg	0.32	0.07	1
trans-1,3-Dichloropropene	ND		ug/kg	0.65	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	0.32	0.10	1
Bromoform	ND		ug/kg	2.6	0.16	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.32	0.11	1
Benzene	ND		ug/kg	0.32	0.11	1
Toluene	ND		ug/kg	0.65	0.35	1
Ethylbenzene	ND		ug/kg	0.65	0.09	1
Chloromethane	ND		ug/kg	2.6	0.61	1
Bromomethane	ND		ug/kg	1.3	0.38	1
Vinyl chloride	ND		ug/kg	0.65	0.22	1
Chloroethane	ND		ug/kg	1.3	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.65	0.16	1
trans-1,2-Dichloroethene	ND		ug/kg	0.98	0.09	1
Trichloroethene	ND		ug/kg	0.32	0.09	1
1,2-Dichlorobenzene	ND		ug/kg	1.3	0.09	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-04**Date Collected:** 11/04/24 11:30**Client ID:** SB-03-5-10**Date Received:** 11/05/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.3	0.10	1
1,4-Dichlorobenzene	ND		ug/kg	1.3	0.11	1
Methyl tert butyl ether	ND		ug/kg	1.3	0.13	1
p/m-Xylene	ND		ug/kg	1.3	0.36	1
o-Xylene	ND		ug/kg	0.65	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	0.65	0.11	1
Styrene	ND		ug/kg	0.65	0.13	1
Dichlorodifluoromethane	ND		ug/kg	6.5	0.60	1
Acetone	ND		ug/kg	6.5	3.1	1
Carbon disulfide	ND		ug/kg	6.5	3.0	1
2-Butanone	ND		ug/kg	6.5	1.4	1
4-Methyl-2-pentanone	ND		ug/kg	6.5	0.83	1
2-Hexanone	ND		ug/kg	6.5	0.77	1
Bromochloromethane	ND		ug/kg	1.3	0.13	1
1,2-Dibromoethane	ND		ug/kg	0.65	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.0	0.65	1
Isopropylbenzene	ND		ug/kg	0.65	0.07	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.3	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.3	0.18	1
Methyl Acetate	ND		ug/kg	2.6	0.62	1
Cyclohexane	ND		ug/kg	6.5	0.35	1
1,4-Dioxane	ND		ug/kg	52	23.	1
Freon-113	ND		ug/kg	2.6	0.45	1
Methyl cyclohexane	ND		ug/kg	2.6	0.39	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-06

Date Collected: 11/04/24 13:05

Client ID: SB-04-10-15

Date Received: 11/05/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 11/12/24 10:27

Analyst: AJK

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	3.4		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-06**Date Collected:** 11/04/24 13:05**Client ID:** SB-04-10-15**Date Received:** 11/05/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
Methyl Acetate	ND		ug/kg	4.1	0.97	1
Cyclohexane	ND		ug/kg	10	0.56	1
1,4-Dioxane	ND		ug/kg	82	36.	1
Freon-113	ND		ug/kg	4.1	0.71	1
Methyl cyclohexane	ND		ug/kg	4.1	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-08

Date Collected: 11/04/24 13:25

Client ID: SB-02-10-15

Date Received: 11/05/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 11/12/24 10:53

Analyst: AJK

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.9	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.16	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	1.6		ug/kg	0.62	0.24	1
Chlorobenzene	ND		ug/kg	0.62	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.86	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	0.21	1
Bromodichloromethane	ND		ug/kg	0.62	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.20	1
Bromoform	ND		ug/kg	5.0	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.21	1
Benzene	ND		ug/kg	0.62	0.21	1
Toluene	ND		ug/kg	1.2	0.67	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.72	1
Vinyl chloride	ND		ug/kg	1.2	0.42	1
Chloroethane	ND		ug/kg	2.5	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1
Trichloroethene	ND		ug/kg	0.62	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-08**Date Collected:** 11/04/24 13:25**Client ID:** SB-02-10-15**Date Received:** 11/05/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.70	1
o-Xylene	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	6.0	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
2-Hexanone	ND		ug/kg	12	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.35	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
Methyl Acetate	ND		ug/kg	5.0	1.2	1
Cyclohexane	ND		ug/kg	12	0.68	1
1,4-Dioxane	ND		ug/kg	99	44.	1
Freon-113	ND		ug/kg	5.0	0.86	1
Methyl cyclohexane	ND		ug/kg	5.0	0.75	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	84		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	104		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-10
 Client ID: SB-14-10-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/04/24 13:35
 Date Received: 11/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 11/12/24 11:19
 Analyst: AJK
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	1.7		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-10**Date Collected:** 11/04/24 13:35**Client ID:** SB-14-10-15**Date Received:** 11/05/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Cyclohexane	ND		ug/kg	11	0.59	1
1,4-Dioxane	ND		ug/kg	86	38.	1
Freon-113	ND		ug/kg	4.3	0.75	1
Methyl cyclohexane	ND		ug/kg	4.3	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	102		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-12
 Client ID: SB-17-10-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/04/24 14:15
 Date Received: 11/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 11/12/24 11:45
 Analyst: AJK
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.3	1.0	1
1,1-Dichloroethane	ND		ug/kg	0.46	0.07	1
Chloroform	ND		ug/kg	0.69	0.06	1
Carbon tetrachloride	ND		ug/kg	0.46	0.10	1
1,2-Dichloropropane	ND		ug/kg	0.46	0.06	1
Dibromochloromethane	ND		ug/kg	0.46	0.06	1
1,1,2-Trichloroethane	ND		ug/kg	0.46	0.12	1
Tetrachloroethene	0.75		ug/kg	0.23	0.09	1
Chlorobenzene	ND		ug/kg	0.23	0.06	1
Trichlorofluoromethane	ND		ug/kg	1.8	0.32	1
1,2-Dichloroethane	ND		ug/kg	0.46	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	0.23	0.08	1
Bromodichloromethane	ND		ug/kg	0.23	0.05	1
trans-1,3-Dichloropropene	ND		ug/kg	0.46	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.23	0.07	1
Bromoform	ND		ug/kg	1.8	0.11	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.23	0.08	1
Benzene	ND		ug/kg	0.23	0.08	1
Toluene	ND		ug/kg	0.46	0.25	1
Ethylbenzene	ND		ug/kg	0.46	0.06	1
Chloromethane	ND		ug/kg	1.8	0.43	1
Bromomethane	ND		ug/kg	0.91	0.26	1
Vinyl chloride	ND		ug/kg	0.46	0.15	1
Chloroethane	ND		ug/kg	0.91	0.21	1
1,1-Dichloroethene	ND		ug/kg	0.46	0.11	1
trans-1,2-Dichloroethene	ND		ug/kg	0.69	0.06	1
Trichloroethene	ND		ug/kg	0.23	0.06	1
1,2-Dichlorobenzene	ND		ug/kg	0.91	0.07	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-12**Date Collected:** 11/04/24 14:15**Client ID:** SB-17-10-15**Date Received:** 11/05/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	0.91	0.07	1
1,4-Dichlorobenzene	ND		ug/kg	0.91	0.08	1
Methyl tert butyl ether	ND		ug/kg	0.91	0.09	1
p/m-Xylene	ND		ug/kg	0.91	0.26	1
o-Xylene	ND		ug/kg	0.46	0.13	1
cis-1,2-Dichloroethene	ND		ug/kg	0.46	0.08	1
Styrene	ND		ug/kg	0.46	0.09	1
Dichlorodifluoromethane	ND		ug/kg	4.6	0.42	1
Acetone	ND		ug/kg	4.6	2.2	1
Carbon disulfide	ND		ug/kg	4.6	2.1	1
2-Butanone	ND		ug/kg	4.6	1.0	1
4-Methyl-2-pentanone	ND		ug/kg	4.6	0.58	1
2-Hexanone	ND		ug/kg	4.6	0.54	1
Bromochloromethane	ND		ug/kg	0.91	0.09	1
1,2-Dibromoethane	ND		ug/kg	0.46	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.4	0.46	1
Isopropylbenzene	ND		ug/kg	0.46	0.05	1
1,2,3-Trichlorobenzene	ND		ug/kg	0.91	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	0.91	0.12	1
Methyl Acetate	ND		ug/kg	1.8	0.43	1
Cyclohexane	ND		ug/kg	4.6	0.25	1
1,4-Dioxane	ND		ug/kg	36	16.	1
Freon-113	ND		ug/kg	1.8	0.32	1
Methyl cyclohexane	ND		ug/kg	1.8	0.28	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	82		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	103		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-14

Date Collected: 11/04/24 14:25

Client ID: SB-16-10-15

Date Received: 11/05/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 11/12/24 12:12

Analyst: AJK

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.12	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.25	1
Tetrachloroethene	1.2		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	0.25	J	ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-14**Date Collected:** 11/04/24 14:25**Client ID:** SB-16-10-15**Date Received:** 11/05/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.85	1
Acetone	ND		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
Methyl Acetate	ND		ug/kg	3.7	0.88	1
Cyclohexane	ND		ug/kg	9.2	0.50	1
1,4-Dioxane	ND		ug/kg	74	32.	1
Freon-113	ND		ug/kg	3.7	0.64	1
Methyl cyclohexane	ND		ug/kg	3.7	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	106		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-15
 Client ID: SB-15-10-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/04/24 14:30
 Date Received: 11/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 11/12/24 15:42
 Analyst: AJK
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	1.5		ug/kg	0.68	0.26	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.94	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.21	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.22	1
Benzene	ND		ug/kg	0.68	0.22	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.4	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1
Trichloroethene	ND		ug/kg	0.68	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-15**Date Collected:** 11/04/24 14:30**Client ID:** SB-15-10-15**Date Received:** 11/05/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
Styrene	ND		ug/kg	1.4	0.26	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	ND		ug/kg	14	6.5	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
Methyl Acetate	ND		ug/kg	5.4	1.3	1
Cyclohexane	ND		ug/kg	14	0.74	1
1,4-Dioxane	ND		ug/kg	110	48.	1
Freon-113	ND		ug/kg	5.4	0.94	1
Methyl cyclohexane	ND		ug/kg	5.4	0.82	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-17

Date Collected: 11/01/24 00:00

Client ID: TRIP BLANK

Date Received: 11/05/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 11/09/24 05:43

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-17**Date Collected:** 11/01/24 00:00**Client ID:** TRIP BLANK**Date Received:** 11/05/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464355
Report Date: 11/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/09/24 02:15
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1996165-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464355
Report Date: 11/19/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/09/24 02:15
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1996165-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464355
Report Date: 11/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/09/24 02:15
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1996165-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464355
Report Date: 11/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/11/24 10:06
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG1996283-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464355
Report Date: 11/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/11/24 10:06
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG1996283-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	0.38	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464355
Report Date: 11/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/11/24 10:06
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG1996283-5					

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

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464355
Report Date: 11/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/12/24 10:01
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06,08,10,12,14 Batch: WG1996428-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464355
Report Date: 11/19/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/12/24 10:01
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06,08,10,12,14 Batch: WG1996428-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464355
Report Date: 11/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/12/24 10:01
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06,08,10,12,14 Batch: WG1996428-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	100		70-130

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464355
Report Date: 11/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/12/24 10:29
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 15 Batch: WG1996453-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464355
Report Date: 11/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/12/24 10:29
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 15 Batch: WG1996453-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464355
Report Date: 11/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/12/24 10:29
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 15 Batch: WG1996453-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1996165-3 WG1996165-4								
Methylene chloride	99		98		70-130	1		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	98		96		63-130	2		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	100		97		70-130	3		20
Chlorobenzene	100		99		75-130	1		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		98		67-130	2		20
Bromodichloromethane	97		96		67-130	1		20
trans-1,3-Dichloropropene	100		99		70-130	1		20
cis-1,3-Dichloropropene	96		96		70-130	0		20
Bromoform	90		92		54-136	2		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	49		48		39-139	2		20
Vinyl chloride	110		100		55-140	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1996165-3 WG1996165-4								
Chloroethane	96		94		55-138	2		20
1,1-Dichloroethene	95		95		61-145	0		20
trans-1,2-Dichloroethene	98		97		70-130	1		20
Trichloroethene	100		98		70-130	2		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	95		96		63-130	1		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	97		96		70-130	1		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	92		90		36-147	2		20
Acetone	60		59		58-148	2		20
Carbon disulfide	98		97		51-130	1		20
2-Butanone	76		80		63-138	5		20
4-Methyl-2-pentanone	100		100		59-130	0		20
2-Hexanone	82		83		57-130	1		20
Bromochloromethane	94		95		70-130	1		20
1,2-Dibromoethane	99		98		70-130	1		20
1,2-Dibromo-3-chloropropane	85		89		41-144	5		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1996165-3 WG1996165-4								
1,2,4-Trichlorobenzene	100		99		70-130	1		20
Methyl Acetate	120		120		70-130	0		20
Cyclohexane	120		110		70-130	9		20
1,4-Dioxane	84		90		56-162	7		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	100		96		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG1996283-3 WG1996283-4								
Methylene chloride	82		77		70-130	6		30
1,1-Dichloroethane	89		84		70-130	6		30
Chloroform	85		83		70-130	2		30
Carbon tetrachloride	81		81		70-130	0		30
1,2-Dichloropropane	87		89		70-130	2		30
Dibromochloromethane	85		87		70-130	2		30
1,1,2-Trichloroethane	86		88		70-130	2		30
Tetrachloroethene	88		88		70-130	0		30
Chlorobenzene	86		88		70-130	2		30
Trichlorofluoromethane	82		75		70-139	9		30
1,2-Dichloroethane	82		84		70-130	2		30
1,1,1-Trichloroethane	85		84		70-130	1		30
Bromodichloromethane	85		87		70-130	2		30
trans-1,3-Dichloropropene	90		91		70-130	1		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
Bromoform	81		82		70-130	1		30
1,1,2,2-Tetrachloroethane	82		85		70-130	4		30
Benzene	87		87		70-130	0		30
Toluene	84		85		70-130	1		30
Ethylbenzene	82		84		70-130	2		30
Chloromethane	82		72		52-130	13		30
Bromomethane	90		80		57-147	12		30
Vinyl chloride	84		73		67-130	14		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG1996283-3 WG1996283-4								
Chloroethane	83		74		50-151	11		30
1,1-Dichloroethene	91		82		65-135	10		30
trans-1,2-Dichloroethene	90		85		70-130	6		30
Trichloroethene	83		84		70-130	1		30
1,2-Dichlorobenzene	86		87		70-130	1		30
1,3-Dichlorobenzene	88		89		70-130	1		30
1,4-Dichlorobenzene	85		86		70-130	1		30
Methyl tert butyl ether	92		90		66-130	2		30
p/m-Xylene	86		88		70-130	2		30
o-Xylene	85		88		70-130	3		30
cis-1,2-Dichloroethene	88		86		70-130	2		30
Styrene	83		87		70-130	5		30
Dichlorodifluoromethane	56		50		30-146	11		30
Acetone	125		117		54-140	7		30
Carbon disulfide	85		78		59-130	9		30
2-Butanone	96		107		70-130	11		30
4-Methyl-2-pentanone	93		96		70-130	3		30
2-Hexanone	103		103		70-130	0		30
Bromochloromethane	89		88		70-130	1		30
1,2-Dibromoethane	89		91		70-130	2		30
1,2-Dibromo-3-chloropropane	83		86		68-130	4		30
Isopropylbenzene	84		84		70-130	0		30
1,2,3-Trichlorobenzene	89		94		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG1996283-3 WG1996283-4								
1,2,4-Trichlorobenzene	95		97		70-130	2		30
Methyl Acetate	91		89		51-146	2		30
Cyclohexane	86		84		59-142	2		30
1,4-Dioxane	104		105		65-136	1		30
Freon-113	89		82		50-139	8		30
Methyl cyclohexane	86		86		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	102		99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06,08,10,12,14 Batch: WG1996428-3 WG1996428-4								
Methylene chloride	108		111		70-130	3		30
1,1-Dichloroethane	113		119		70-130	5		30
Chloroform	114		120		70-130	5		30
Carbon tetrachloride	123		125		70-130	2		30
1,2-Dichloropropane	113		120		70-130	6		30
Dibromochloromethane	102		107		70-130	5		30
1,1,2-Trichloroethane	92		97		70-130	5		30
Tetrachloroethene	104		108		70-130	4		30
Chlorobenzene	98		98		70-130	0		30
Trichlorofluoromethane	122		127		70-139	4		30
1,2-Dichloroethane	108		114		70-130	5		30
1,1,1-Trichloroethane	121		125		70-130	3		30
Bromodichloromethane	115		122		70-130	6		30
trans-1,3-Dichloropropene	94		99		70-130	5		30
cis-1,3-Dichloropropene	118		128		70-130	8		30
Bromoform	96		95		70-130	1		30
1,1,2,2-Tetrachloroethane	88		89		70-130	1		30
Benzene	124		125		70-130	1		30
Toluene	92		96		70-130	4		30
Ethylbenzene	95		95		70-130	0		30
Chloromethane	127		131	Q	52-130	3		30
Bromomethane	128		131		57-147	2		30
Vinyl chloride	122		127		67-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06,08,10,12,14 Batch: WG1996428-3 WG1996428-4								
Chloroethane	128		134		50-151	5		30
1,1-Dichloroethene	120		127		65-135	6		30
trans-1,2-Dichloroethene	121		127		70-130	5		30
Trichloroethene	123		126		70-130	2		30
1,2-Dichlorobenzene	99		101		70-130	2		30
1,3-Dichlorobenzene	101		103		70-130	2		30
1,4-Dichlorobenzene	101		103		70-130	2		30
Methyl tert butyl ether	107		114		66-130	6		30
p/m-Xylene	104		105		70-130	1		30
o-Xylene	106		102		70-130	4		30
cis-1,2-Dichloroethene	116		122		70-130	5		30
Styrene	103		100		70-130	3		30
Dichlorodifluoromethane	117		122		30-146	4		30
Acetone	110		111		54-140	1		30
Carbon disulfide	113		118		59-130	4		30
2-Butanone	124		125		70-130	1		30
4-Methyl-2-pentanone	86		94		70-130	9		30
2-Hexanone	99		99		70-130	0		30
Bromochloromethane	124		132	Q	70-130	6		30
1,2-Dibromoethane	96		103		70-130	7		30
1,2-Dibromo-3-chloropropane	86		90		68-130	5		30
Isopropylbenzene	100		98		70-130	2		30
1,2,3-Trichlorobenzene	102		105		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06,08,10,12,14 Batch: WG1996428-3 WG1996428-4								
1,2,4-Trichlorobenzene	109		110		70-130	1		30
Methyl Acetate	106		116		51-146	9		30
Cyclohexane	113		120		59-142	6		30
1,4-Dioxane	109		117		65-136	7		30
Freon-113	119		126		50-139	6		30
Methyl cyclohexane	122		125		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		92		70-130
Toluene-d8	85		89		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15 Batch: WG1996453-3 WG1996453-4								
Methylene chloride	95		94		70-130	1		30
1,1-Dichloroethane	109		105		70-130	4		30
Chloroform	100		100		70-130	0		30
Carbon tetrachloride	100		96		70-130	4		30
1,2-Dichloropropane	108		105		70-130	3		30
Dibromochloromethane	97		97		70-130	0		30
1,1,2-Trichloroethane	104		103		70-130	1		30
Tetrachloroethene	98		90		70-130	9		30
Chlorobenzene	102		96		70-130	6		30
Trichlorofluoromethane	109		103		70-139	6		30
1,2-Dichloroethane	97		100		70-130	3		30
1,1,1-Trichloroethane	101		97		70-130	4		30
Bromodichloromethane	100		100		70-130	0		30
trans-1,3-Dichloropropene	107		104		70-130	3		30
cis-1,3-Dichloropropene	106		108		70-130	2		30
Bromoform	89		97		70-130	9		30
1,1,2,2-Tetrachloroethane	106		113		70-130	6		30
Benzene	105		102		70-130	3		30
Toluene	103		98		70-130	5		30
Ethylbenzene	106		99		70-130	7		30
Chloromethane	125		121		52-130	3		30
Bromomethane	122		114		57-147	7		30
Vinyl chloride	122		114		67-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15 Batch: WG1996453-3 WG1996453-4								
Chloroethane	122		118		50-151	3		30
1,1-Dichloroethene	106		98		65-135	8		30
trans-1,2-Dichloroethene	104		100		70-130	4		30
Trichloroethene	102		101		70-130	1		30
1,2-Dichlorobenzene	101		101		70-130	0		30
1,3-Dichlorobenzene	104		102		70-130	2		30
1,4-Dichlorobenzene	101		100		70-130	1		30
Methyl tert butyl ether	97		104		66-130	7		30
p/m-Xylene	106		99		70-130	7		30
o-Xylene	101		96		70-130	5		30
cis-1,2-Dichloroethene	101		99		70-130	2		30
Styrene	104		99		70-130	5		30
Dichlorodifluoromethane	136		129		30-146	5		30
Acetone	89		115		54-140	25		30
Carbon disulfide	108		104		59-130	4		30
2-Butanone	95		110		70-130	15		30
4-Methyl-2-pentanone	91		97		70-130	6		30
2-Hexanone	92		105		70-130	13		30
Bromochloromethane	97		100		70-130	3		30
1,2-Dibromoethane	102		102		70-130	0		30
1,2-Dibromo-3-chloropropane	79		89		68-130	12		30
Isopropylbenzene	109		105		70-130	4		30
1,2,3-Trichlorobenzene	96		99		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15 Batch: WG1996453-3 WG1996453-4								
1,2,4-Trichlorobenzene	99		100		70-130	1		30
Methyl Acetate	101		112		51-146	10		30
Cyclohexane	117		111		59-142	5		30
1,4-Dioxane	85		102		65-136	18		30
Freon-113	110		106		50-139	4		30
Methyl cyclohexane	110		106		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		102		70-130
Toluene-d8	104		100		70-130
4-Bromofluorobenzene	116		104		70-130
Dibromofluoromethane	97		101		70-130

SEMIVOLATILES

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464355**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-01

Client ID: SB-09-5-10

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/04/24 10:50

Date Received: 11/05/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8270E

Analytical Date: 11/08/24 19:34

Analyst: EK

Percent Solids: 87%

Extraction Method: EPA 3546

Extraction Date: 11/07/24 08:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Fluoranthene	ND		ug/kg	110	22.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	59		30-120
4-Terphenyl-d14	57		18-120

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-04

Date Collected: 11/04/24 11:30

Client ID: SB-03-5-10

Date Received: 11/05/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270E

Extraction Date: 11/07/24 08:01

Analytical Date: 11/08/24 19:11

Analyst: EK

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Fluoranthene	ND		ug/kg	100	20.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	66		30-120
4-Terphenyl-d14	65		18-120

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464355**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-06
 Client ID: SB-04-10-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/04/24 13:05
 Date Received: 11/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 11/08/24 18:47
 Analyst: EK
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 11/07/24 08:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Fluoranthene	ND		ug/kg	110	21.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	62		30-120
4-Terphenyl-d14	53		18-120

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464355**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-08

Client ID: SB-02-10-15

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/04/24 13:25

Date Received: 11/05/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8270E

Analytical Date: 11/08/24 18:24

Analyst: EK

Percent Solids: 90%

Extraction Method: EPA 3546

Extraction Date: 11/07/24 08:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Fluoranthene	ND		ug/kg	110	20.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	78		30-120
4-Terphenyl-d14	68		18-120

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-10
 Client ID: SB-14-10-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/04/24 13:35
 Date Received: 11/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 11/08/24 18:01
 Analyst: EK
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 11/07/24 08:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
Fluoranthene	ND		ug/kg	110	21.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	73		30-120
4-Terphenyl-d14	67		18-120

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464355**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-12
 Client ID: SB-17-10-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/04/24 14:15
 Date Received: 11/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 11/08/24 17:37
 Analyst: EK
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 11/07/24 08:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
Fluoranthene	ND		ug/kg	110	21.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	73		30-120
4-Terphenyl-d14	71		18-120

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464355**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-14
 Client ID: SB-16-10-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/04/24 14:25
 Date Received: 11/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 11/08/24 17:14
 Analyst: EK
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 11/07/24 08:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Fluoranthene	ND		ug/kg	110	21.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	63		30-120
4-Terphenyl-d14	60		18-120

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-15
 Client ID: SB-15-10-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/04/24 14:30
 Date Received: 11/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 11/08/24 16:51
 Analyst: EK
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 11/07/24 08:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Fluoranthene	ND		ug/kg	110	21.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	69		30-120
4-Terphenyl-d14	60		18-120

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464355
Report Date: 11/19/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/08/24 03:47
Analyst: SLR

Extraction Method: EPA 3546
Extraction Date: 11/07/24 08:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04,06,08,10,12,14-15 Batch: WG1994286-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	98	19.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	75		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,06,08,10,12,14-15 Batch: WG1994286-2 WG1994286-3								
Acenaphthene	61		68		31-137	11		50
Fluoranthene	63		72		40-140	13		50
Benzo(a)anthracene	61		70		40-140	14		50
Benzo(a)pyrene	62		70		40-140	12		50
Benzo(b)fluoranthene	61		70		40-140	14		50
Benzo(k)fluoranthene	61		68		40-140	11		50
Chrysene	61		69		40-140	12		50
Acenaphthylene	64		73		40-140	13		50
Anthracene	62		70		40-140	12		50
Benzo(ghi)perylene	58		65		40-140	11		50
Fluorene	63		70		40-140	11		50
Phenanthrene	61		69		40-140	12		50
Dibenzo(a,h)anthracene	59		66		40-140	11		50
Indeno(1,2,3-cd)pyrene	58		65		40-140	11		50
Pyrene	64		72		35-142	12		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		75		25-120
Phenol-d6	67		73		10-120
Nitrobenzene-d5	69		80		23-120
2-Fluorobiphenyl	70		79		30-120
2,4,6-Tribromophenol	65		73		10-136
4-Terphenyl-d14	65		75		18-120

METALS

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-03

Date Collected: 11/04/24 11:25

Client ID: SB-03-0-5

Date Received: 11/05/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11200		mg/kg	8.31	2.24	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.16	0.316	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Arsenic, Total	8.48		mg/kg	0.831	0.173	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Barium, Total	36.0		mg/kg	0.831	0.145	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.484		mg/kg	0.416	0.027	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.831	0.081	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Calcium, Total	26000		mg/kg	8.31	2.91	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Chromium, Total	14.3		mg/kg	0.831	0.080	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Cobalt, Total	8.90		mg/kg	1.66	0.138	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Copper, Total	26.9		mg/kg	0.831	0.214	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Iron, Total	23300		mg/kg	4.16	0.750	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Lead, Total	50.2		mg/kg	4.16	0.223	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Magnesium, Total	16700		mg/kg	8.31	1.28	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Manganese, Total	540		mg/kg	0.831	0.132	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Mercury, Total	0.090		mg/kg	0.069	0.045	1	11/07/24 12:20	11/11/24 09:52	EPA 7471B	1,7471B	JWN
Nickel, Total	19.1		mg/kg	2.08	0.201	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Potassium, Total	454		mg/kg	208	12.0	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.66	0.214	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Silver, Total	0.254	J	mg/kg	0.416	0.235	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Sodium, Total	46.8	J	mg/kg	166	2.62	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	1.66	0.262	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Vanadium, Total	14.2		mg/kg	0.831	0.169	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL
Zinc, Total	75.8		mg/kg	4.16	0.243	2	11/07/24 10:39	11/11/24 20:37	EPA 3050B	1,6010D	DHL



Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**SAMPLE RESULTS**

Lab ID: L2464355-05

Date Collected: 11/04/24 13:15

Client ID: SB-04-0-5

Date Received: 11/05/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6810		mg/kg	17.3	4.66	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	8.64	0.657	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Arsenic, Total	8.68		mg/kg	1.73	0.359	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Barium, Total	47.5		mg/kg	1.73	0.301	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.349	J	mg/kg	0.864	0.057	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	1.73	0.169	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Calcium, Total	92200		mg/kg	17.3	6.05	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Chromium, Total	10.4		mg/kg	1.73	0.166	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Cobalt, Total	5.31		mg/kg	3.46	0.287	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Copper, Total	19.7		mg/kg	1.73	0.446	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Iron, Total	15100		mg/kg	8.64	1.56	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Lead, Total	39.0		mg/kg	8.64	0.463	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Magnesium, Total	47600		mg/kg	17.3	2.66	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Manganese, Total	402		mg/kg	1.73	0.275	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Mercury, Total	0.076	J	mg/kg	0.079	0.052	1	11/07/24 12:20	11/11/24 09:55	EPA 7471B	1,7471B	JWN
Nickel, Total	11.9		mg/kg	4.32	0.418	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Potassium, Total	710		mg/kg	432	24.9	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	3.46	0.446	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.864	0.489	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Sodium, Total	121	J	mg/kg	346	5.44	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	3.46	0.544	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Vanadium, Total	16.8		mg/kg	1.73	0.351	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL
Zinc, Total	57.4		mg/kg	8.64	0.506	4	11/07/24 10:39	11/12/24 15:09	EPA 3050B	1,6010D	DHL



Project Name: 50 RAYMOND AVE

Lab Number: L2464355

Project Number: 24.5088

Report Date: 11/19/24

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03,05 Batch: WG1994179-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Barium, Total	ND		mg/kg	0.400	0.070	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Copper, Total	ND		mg/kg	0.400	0.103	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Iron, Total	0.452	J	mg/kg	2.00	0.361	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Lead, Total	ND		mg/kg	2.00	0.107	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Potassium, Total	ND		mg/kg	100	5.76	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Selenium, Total	0.125	J	mg/kg	0.800	0.103	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Silver, Total	ND		mg/kg	0.200	0.113	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Sodium, Total	ND		mg/kg	80.0	1.26	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/07/24 10:39	11/11/24 21:28	1,6010D	DHL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03,05 Batch: WG1994180-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/07/24 12:20	11/11/24 09:29	1,7471B	JWN



Project Name: 50 RAYMOND AVE

Lab Number: L2464355

Project Number: 24.5088

Report Date: 11/19/24

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05 Batch: WG1994179-2								
Aluminum, Total	104		-		80-120	-		
Antimony, Total	106		-		80-120	-		
Arsenic, Total	103		-		80-120	-		
Barium, Total	103		-		80-120	-		
Beryllium, Total	105		-		80-120	-		
Cadmium, Total	102		-		80-120	-		
Calcium, Total	104		-		80-120	-		
Chromium, Total	104		-		80-120	-		
Cobalt, Total	104		-		80-120	-		
Copper, Total	107		-		80-120	-		
Iron, Total	105		-		80-120	-		
Lead, Total	107		-		80-120	-		
Magnesium, Total	105		-		80-120	-		
Manganese, Total	104		-		80-120	-		
Nickel, Total	105		-		80-120	-		
Potassium, Total	106		-		80-120	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	106		-		80-120	-		
Sodium, Total	106		-		80-120	-		
Thallium, Total	105		-		80-120	-		
Vanadium, Total	106		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05 Batch: WG1994179-2					
Zinc, Total	103	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 03,05 Batch: WG1994180-2					
Mercury, Total	98	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05 QC Batch ID: WG1994179-3 QC Sample: L2464414-01 Client ID: MS Sample												
Aluminum, Total	6640	169	7380	439	Q	-	-		75-125	-		20
Antimony, Total	ND	42.2	37.2	88		-	-		75-125	-		20
Arsenic, Total	1.22	10.1	10.3	90		-	-		75-125	-		20
Barium, Total	27.0	169	187	95		-	-		75-125	-		20
Beryllium, Total	0.208J	4.22	4.27	101		-	-		75-125	-		20
Cadmium, Total	ND	4.47	4.22	94		-	-		75-125	-		20
Calcium, Total	683	843	1620	111		-	-		75-125	-		20
Chromium, Total	21.0	16.9	37.8	100		-	-		75-125	-		20
Cobalt, Total	5.80	42.2	45.7	95		-	-		75-125	-		20
Copper, Total	18.6	21.1	38.6	95		-	-		75-125	-		20
Iron, Total	9970	84.3	10300	391	Q	-	-		75-125	-		20
Lead, Total	2.77J	44.7	43.9	98		-	-		75-125	-		20
Magnesium, Total	2120	843	2650	63	Q	-	-		75-125	-		20
Manganese, Total	262	42.2	371	258	Q	-	-		75-125	-		20
Nickel, Total	17.4	42.2	54.6	88		-	-		75-125	-		20
Potassium, Total	370	843	1200	98		-	-		75-125	-		20
Selenium, Total	ND	10.1	8.82	87		-	-		75-125	-		20
Silver, Total	ND	4.22	4.06	96		-	-		75-125	-		20
Sodium, Total	51.6J	843	861	102		-	-		75-125	-		20
Thallium, Total	ND	10.1	9.48	94		-	-		75-125	-		20
Vanadium, Total	20.3	42.2	59.6	93		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05 QC Batch ID: WG1994179-3 QC Sample: L2464414-01 Client ID: MS Sample									
Zinc, Total	12.3	42.2	51.6	93	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 03,05 QC Batch ID: WG1994180-3 QC Sample: L2464414-01 Client ID: MS Sample									
Mercury, Total	ND	1.37	1.39	102	-	-	80-120	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05 QC Batch ID: WG1994179-4 QC Sample: L2464414-01 Client ID: DUP Sample						
Arsenic, Total	1.22	0.767J	mg/kg	NC		20
Barium, Total	27.0	26.3	mg/kg	3		20
Beryllium, Total	0.208J	0.221J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	21.0	24.0	mg/kg	13		20
Copper, Total	18.6	18.3	mg/kg	2		20
Lead, Total	2.77J	2.33J	mg/kg	NC		20
Manganese, Total	262	245	mg/kg	7		20
Nickel, Total	17.4	16.4	mg/kg	6		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Zinc, Total	12.3	13.6	mg/kg	10		20
Total Metals - Mansfield Lab Associated sample(s): 03,05 QC Batch ID: WG1994180-4 QC Sample: L2464414-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2464355
Report Date: 11/19/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05 QC Batch ID: WG1994179-6 QC Sample: L2464414-01 Client ID: DUP Sample						
Barium, Total	27.0	28.5	mg/kg	6		20
Chromium, Total	21.0	22.0	mg/kg	5		20
Manganese, Total	262	278	mg/kg	6		20

INORGANICS & MISCELLANEOUS

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464355**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-01**Client ID:** SB-09-5-10**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/04/24 10:50**Date Received:** 11/05/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	11/06/24 09:05	121,2540G	MAW



Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

SAMPLE RESULTS

Lab ID: L2464355-03

Client ID: SB-03-0-5

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/04/24 11:25

Date Received: 11/05/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.6		%	0.100	NA	1	-	11/06/24 18:11	121,2540G	SJB



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464355**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-04**Client ID:** SB-03-5-10**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/04/24 11:30**Date Received:** 11/05/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.1		%	0.100	NA	1	-	11/06/24 09:05	121,2540G	MAW



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464355**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-05**Client ID:** SB-04-0-5**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/04/24 13:15**Date Received:** 11/05/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.3		%	0.100	NA	1	-	11/06/24 18:11	121,2540G	SJB



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464355**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-06**Client ID:** SB-04-10-15**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/04/24 13:05**Date Received:** 11/05/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	11/06/24 09:05	121,2540G	MAW



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464355**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-08**Client ID:** SB-02-10-15**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/04/24 13:25**Date Received:** 11/05/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	11/06/24 18:11	121,2540G	SJB



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464355**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-10**Client ID:** SB-14-10-15**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/04/24 13:35**Date Received:** 11/05/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	11/06/24 09:05	121,2540G	MAW



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464355**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-12**Client ID:** SB-17-10-15**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/04/24 14:15**Date Received:** 11/05/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	11/06/24 09:05	121,2540G	MAW



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464355**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-14**Client ID:** SB-16-10-15**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/04/24 14:25**Date Received:** 11/05/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	11/06/24 09:05	121,2540G	MAW



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464355**Report Date:** 11/19/24**SAMPLE RESULTS****Lab ID:** L2464355-15**Client ID:** SB-15-10-15**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/04/24 14:30**Date Received:** 11/05/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.1		%	0.100	NA	1	-	11/06/24 09:05	121,2540G	MAW



Lab Duplicate Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464355

Report Date: 11/19/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04,06,10,12,14-15 QC Batch ID: WG1993748-1 QC Sample: L2464145-01 Client ID: DUP Sample						
Solids, Total	93.9	94.0	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 03,05,08 QC Batch ID: WG1994043-1 QC Sample: L2464409-01 Client ID: DUP Sample						
Solids, Total	91.2	95.4	%	5		20

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Serial_No:11192408:51
Lab Number: L2464355
Report Date: 11/19/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2464355-01A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2464355-01B	Vial water preserved	A	NA		2.9	Y	Absent	06-NOV-24 01:25	NYTCL-8260HLW(14)
L2464355-01C	Vial water preserved	A	NA		2.9	Y	Absent	06-NOV-24 01:25	NYTCL-8260HLW(14)
L2464355-01D	Plastic 120ml unpreserved	A	NA		2.9	Y	Absent		TS(7)
L2464355-01E	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYCP51-PAH(14)
L2464355-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		HOLD-METAL(180)
L2464355-02B	Glass 60ml unpreserved split	A	NA		2.9	Y	Absent		HOLD-WETCHEM()
L2464355-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),TL-Ti(180),NI-Ti(180),CR-Ti(180),SB-Ti(180),ZN-Ti(180),CU-Ti(180),SE-Ti(180),PB-Ti(180),V-Ti(180),CO-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),FE-Ti(180),CD-Ti(180),CA-Ti(180),K-Ti(180),NA-Ti(180)
L2464355-03B	Glass 60ml unpreserved split	A	NA		2.9	Y	Absent		TS(7)
L2464355-04A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2464355-04B	Vial water preserved	A	NA		2.9	Y	Absent	06-NOV-24 01:25	NYTCL-8260HLW(14)
L2464355-04C	Vial water preserved	A	NA		2.9	Y	Absent	06-NOV-24 01:25	NYTCL-8260HLW(14)
L2464355-04D	Plastic 120ml unpreserved	A	NA		2.9	Y	Absent		TS(7)
L2464355-04E	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYCP51-PAH(14)
L2464355-05A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),AL-Ti(180),TL-Ti(180),CR-Ti(180),NI-Ti(180),ZN-Ti(180),PB-Ti(180),CU-Ti(180),SB-Ti(180),SE-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),MG-Ti(180),MN-Ti(180),HG-T(28),CA-Ti(180),K-Ti(180),CD-Ti(180),NA-Ti(180)
L2464355-05B	Glass 60ml unpreserved split	A	NA		2.9	Y	Absent		TS(7)
L2464355-06A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2464355-06B	Vial water preserved	A	NA		2.9	Y	Absent	06-NOV-24 01:25	NYTCL-8260HLW(14)

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2464355-06C	Vial water preserved	A	NA		2.9	Y	Absent	06-NOV-24 01:25	NYTCL-8260HLW(14)
L2464355-06D	Plastic 120ml unpreserved	A	NA		2.9	Y	Absent		TS(7)
L2464355-06E	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYCP51-PAH(14)
L2464355-07A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		HOLD-METAL(180)
L2464355-07B	Glass 60ml unpreserved split	A	NA		2.9	Y	Absent		HOLD-WETCHEM()
L2464355-08A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2464355-08B	Vial water preserved	A	NA		2.9	Y	Absent	06-NOV-24 01:25	NYTCL-8260HLW(14)
L2464355-08C	Vial water preserved	A	NA		2.9	Y	Absent	06-NOV-24 01:25	NYTCL-8260HLW(14)
L2464355-08E	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYCP51-PAH(14),TS(7)
L2464355-09A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		HOLD-METAL(180)
L2464355-09B	Glass 60ml unpreserved split	A	NA		2.9	Y	Absent		HOLD-WETCHEM()
L2464355-10A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2464355-10B	Vial water preserved	A	NA		2.9	Y	Absent	06-NOV-24 01:25	NYTCL-8260HLW(14)
L2464355-10C	Vial water preserved	A	NA		2.9	Y	Absent	06-NOV-24 01:25	NYTCL-8260HLW(14)
L2464355-10D	Plastic 120ml unpreserved	A	NA		2.9	Y	Absent		TS(7)
L2464355-10E	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYCP51-PAH(14)
L2464355-11A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		HOLD-METAL(180)
L2464355-11B	Glass 60ml unpreserved split	A	NA		2.9	Y	Absent		HOLD-WETCHEM()
L2464355-12A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2464355-12B	Vial water preserved	A	NA		2.9	Y	Absent	06-NOV-24 01:25	NYTCL-8260HLW(14)
L2464355-12C	Vial water preserved	A	NA		2.9	Y	Absent	06-NOV-24 01:25	NYTCL-8260HLW(14)
L2464355-12D	Plastic 120ml unpreserved	A	NA		2.9	Y	Absent		TS(7)
L2464355-12E	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYCP51-PAH(14)
L2464355-13A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		HOLD-METAL(180)
L2464355-13B	Glass 60ml unpreserved split	A	NA		2.9	Y	Absent		HOLD-WETCHEM()
L2464355-14A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2464355-14B	Vial water preserved	A	NA		2.9	Y	Absent	06-NOV-24 01:25	NYTCL-8260HLW(14)
L2464355-14C	Vial water preserved	A	NA		2.9	Y	Absent	06-NOV-24 01:25	NYTCL-8260HLW(14)

Project Name: 50 RAYMOND AVE**Lab Number:** L2464355**Project Number:** 24.5088**Report Date:** 11/19/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2464355-14D	Plastic 120ml unpreserved	A	NA		2.9	Y	Absent		TS(7)
L2464355-14E	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYCP51-PAH(14)
L2464355-15A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2464355-15B	Vial water preserved	A	NA		2.9	Y	Absent	06-NOV-24 01:25	NYTCL-8260HLW(14)
L2464355-15C	Vial water preserved	A	NA		2.9	Y	Absent	06-NOV-24 01:25	NYTCL-8260HLW(14)
L2464355-15D	Plastic 120ml unpreserved	A	NA		2.9	Y	Absent		TS(7)
L2464355-15E	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYCP51-PAH(14)
L2464355-16A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		HOLD-METAL(180)
L2464355-16B	Glass 60ml unpreserved split	A	NA		2.9	Y	Absent		HOLD-WETCHEM()
L2464355-17A	Vial HCl preserved	A	NA	NA	2.9	Y	Absent		NYTCL-8260-R2(14)
L2464355-17B	Vial HCl preserved	A	NA	NA	2.9	Y	Absent		NYTCL-8260-R2(14)

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Project Number: 24.5088

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GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



Project Name: 50 RAYMOND AVE
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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: 50 RAYMOND AVE
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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- 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.)

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REFERENCES

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

LIMITATION OF LIABILITIES

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.



Certification Information

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

Westborough Facility

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

EPA 625.1: alpha-Terpineol

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

EPA 8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

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

Mansfield Facility

SM 2540D: TSS.

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

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

Nonpotable Water: **EPA RSK-175 Dissolved Gases**

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, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

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

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

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

L2464355
CTMALE

12NOV24

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 2		Date Rec'd in Lab 11/5/24																																																																																																																																																																																																																													
		Project Information Project Name: <u>50 Raymond Ave</u> Project Location: <u>50 Raymond Ave Patchogue NY 12603</u> Project # <u>24,5088</u> (Use Project name as Project #) ☐ Project Manager: <u>Rosaura Andujar - McNeil</u> ALPHAQuote #: Turn-Around Time: Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Deliverables ☒ ASP-A ☐ ASP- ☐ EQuIS (1 File) ☐ EQuIS (4 File) PO # ☐ Other																																																																																																																																																																																																																															
Client Information Client: <u>C.T. Male Associates</u> Address: <u>50 Century Hill Dr.</u> <u>Latham NY 12110</u> Phone: <u>518-786-7400</u> Fax: Email: <u>r.andujar-mcneil@ctmale.com</u>		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																																																																																																																																																																																															
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: <u>Some samples may need to be placed on HOLD</u> <u>contact Rosaura Andujar McNeil</u> Please specify Metals or TAL.		ANALYSIS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TCL VOCs</th> <th>CPIS SVOCs</th> <th>TAL Metals</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		TCL VOCs	CPIS SVOCs	TAL Metals																✓	✓																	Sample Filtration ☐ Done ☐ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments																																																																																																																																																																																											
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11/15/20

ALPHA JOB #
62464355

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ANALYTICAL REPORT

Lab Number:	L2464699
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12110
ATTN:	Rosaura Andujar-McNeil
Phone:	(518) 786-7400
Project Name:	50 RAYMOND AVE
Project Number:	24.5088
Report Date:	11/20/24

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

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



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464699
Report Date: 11/20/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2464699-01	SB-05-0-5	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/05/24 09:05	11/06/24
L2464699-02	SB-05-10-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/05/24 09:00	11/06/24
L2464699-03	SB-06-0-5	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/05/24 10:30	11/06/24
L2464699-04	SB-06-10-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/05/24 10:25	11/06/24
L2464699-05	SB-07-0-5	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/05/24 10:37	11/06/24
L2464699-06	SB-07-10-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/05/24 10:35	11/06/24
L2464699-07	SB-11-0-5	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/05/24 13:50	11/06/24
L2464699-08	SB-11-13-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/05/24 13:55	11/06/24
L2464699-09	SB-12-0-5	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/05/24 12:28	11/06/24
L2464699-10	SB-12-10-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/05/24 12:35	11/06/24
L2464699-11	SB-13-0-5	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/05/24 11:55	11/06/24
L2464699-12	SB-13-10-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/05/24 11:49	11/06/24
L2464699-13	TRIP BLANK	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/05/24 00:00	11/06/24

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464699
Report Date: 11/20/24

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

HOLD POLICY - For samples submitted on hold, 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: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464699
Report Date: 11/20/24

Case Narrative (continued)

Report Submission

November 20, 2024: This final report includes the results of all requested analyses.

Additional requests will be reported separately.

November 13, 2024: This is a preliminary report.

Please note that your project has contingency samples on hold. Contact your project manager to request additional analyses within 3 business days of receiving this report. Requests made after this time frame will be reported separately.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2464699-01: At the client's request, the sample was placed on hold.

L2464699-13: A sample identified as "TRIP BLANK" was received, but not listed on the chain of custody. At the client's request, this sample was analyzed.

Total Metals

L2464699-03, -05, -07, -09 and -11: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 11/20/24

ORGANICS

VOLATILES

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-02

Date Collected: 11/05/24 09:00

Client ID: SB-05-10-15

Date Received: 11/06/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 11/08/24 18:24

Analyst: JIC

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	2.9		ug/kg	0.62	0.24	1
Chlorobenzene	ND		ug/kg	0.62	0.16	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.86	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	0.21	1
Bromodichloromethane	ND		ug/kg	0.62	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.20	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.20	1
Benzene	ND		ug/kg	0.62	0.20	1
Toluene	ND		ug/kg	1.2	0.67	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.2	1
Bromomethane	ND		ug/kg	2.5	0.72	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.5	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1
Trichloroethene	ND		ug/kg	0.62	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-02**Date Collected:** 11/05/24 09:00**Client ID:** SB-05-10-15**Date Received:** 11/06/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.69	1
o-Xylene	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
Methyl Acetate	ND		ug/kg	4.9	1.2	1
Cyclohexane	ND		ug/kg	12	0.67	1
1,4-Dioxane	ND		ug/kg	99	43.	1
Freon-113	ND		ug/kg	4.9	0.86	1
Methyl cyclohexane	ND		ug/kg	4.9	0.74	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	85		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	116		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-04

Date Collected: 11/05/24 10:25

Client ID: SB-06-10-15

Date Received: 11/06/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 11/08/24 18:50

Analyst: JIC

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	3.0		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.88	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.21	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.69	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.5	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.5	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1
Trichloroethene	0.63	J	ug/kg	0.64	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1

Project Name: 50 RAYMOND AVE

Lab Number: L2464699

Project Number: 24.5088

Report Date: 11/20/24

SAMPLE RESULTS

Lab ID: L2464699-04

Date Collected: 11/05/24 10:25

Client ID: SB-06-10-15

Date Received: 11/06/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.26	1
p/m-Xylene	ND		ug/kg	2.5	0.71	1
o-Xylene	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.35	1
Methyl Acetate	ND		ug/kg	5.1	1.2	1
Cyclohexane	ND		ug/kg	13	0.69	1
1,4-Dioxane	ND		ug/kg	100	45.	1
Freon-113	ND		ug/kg	5.1	0.88	1
Methyl cyclohexane	ND		ug/kg	5.1	0.77	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	84		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	117		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-06

Date Collected: 11/05/24 10:35

Client ID: SB-07-10-15

Date Received: 11/06/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 11/08/24 19:16

Analyst: JIC

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.3	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	3.6		ug/kg	0.63	0.25	1
Chlorobenzene	ND		ug/kg	0.63	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.88	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.63	0.21	1
Bromodichloromethane	ND		ug/kg	0.63	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.63	0.20	1
Bromoform	ND		ug/kg	5.1	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.63	0.21	1
Benzene	ND		ug/kg	0.63	0.21	1
Toluene	ND		ug/kg	1.3	0.69	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.5	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.42	1
Chloroethane	ND		ug/kg	2.5	0.57	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1
Trichloroethene	2.9		ug/kg	0.63	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-06**Date Collected:** 11/05/24 10:35**Client ID:** SB-07-10-15**Date Received:** 11/06/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.26	1
p/m-Xylene	ND		ug/kg	2.5	0.71	1
o-Xylene	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.35	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
Methyl Acetate	ND		ug/kg	5.1	1.2	1
Cyclohexane	ND		ug/kg	13	0.69	1
1,4-Dioxane	ND		ug/kg	100	44.	1
Freon-113	ND		ug/kg	5.1	0.88	1
Methyl cyclohexane	ND		ug/kg	5.1	0.76	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	85		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	116		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-08

Date Collected: 11/05/24 13:55

Client ID: SB-11-13-15

Date Received: 11/06/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 11/08/24 19:42

Analyst: JIC

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	2.1		ug/kg	0.60	0.24	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	1.1		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-08**Date Collected:** 11/05/24 13:55**Client ID:** SB-11-13-15**Date Received:** 11/06/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
Methyl Acetate	ND		ug/kg	4.8	1.1	1
Cyclohexane	ND		ug/kg	12	0.66	1
1,4-Dioxane	ND		ug/kg	97	42.	1
Freon-113	ND		ug/kg	4.8	0.84	1
Methyl cyclohexane	ND		ug/kg	4.8	0.73	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	84		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	115		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-10

Date Collected: 11/05/24 12:35

Client ID: SB-12-10-15

Date Received: 11/06/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 11/08/24 20:08

Analyst: JIC

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.0	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	0.25	J	ug/kg	2.1	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.37	1
Tetrachloroethene	7.9		ug/kg	0.70	0.27	1
Chlorobenzene	ND		ug/kg	0.70	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.97	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.70	0.23	1
Bromodichloromethane	ND		ug/kg	0.70	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.70	0.22	1
Bromoform	ND		ug/kg	5.6	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.70	0.23	1
Benzene	ND		ug/kg	0.70	0.23	1
Toluene	ND		ug/kg	1.4	0.76	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.6	1.3	1
Bromomethane	ND		ug/kg	2.8	0.81	1
Vinyl chloride	ND		ug/kg	1.4	0.47	1
Chloroethane	ND		ug/kg	2.8	0.63	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1
Trichloroethene	2.0		ug/kg	0.70	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-10**Date Collected:** 11/05/24 12:35**Client ID:** SB-12-10-15**Date Received:** 11/06/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.78	1
o-Xylene	ND		ug/kg	1.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	6.7	1
Carbon disulfide	ND		ug/kg	14	6.4	1
2-Butanone	ND		ug/kg	14	3.1	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.29	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.39	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	1.4	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
Methyl Acetate	ND		ug/kg	5.6	1.3	1
Cyclohexane	ND		ug/kg	14	0.76	1
1,4-Dioxane	ND		ug/kg	110	49.	1
Freon-113	ND		ug/kg	5.6	0.97	1
Methyl cyclohexane	ND		ug/kg	5.6	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	85		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	116		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-12

Date Collected: 11/05/24 11:49

Client ID: SB-13-10-15

Date Received: 11/06/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 11/08/24 20:34

Analyst: JIC

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.0	3.7	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.23	1
Chloroform	ND		ug/kg	2.4	0.22	1
Carbon tetrachloride	ND		ug/kg	1.6	0.37	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.20	1
Dibromochloromethane	ND		ug/kg	1.6	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.43	1
Tetrachloroethene	2.6		ug/kg	0.80	0.32	1
Chlorobenzene	ND		ug/kg	0.80	0.20	1
Trichlorofluoromethane	ND		ug/kg	6.4	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.41	1
1,1,1-Trichloroethane	ND		ug/kg	0.80	0.27	1
Bromodichloromethane	ND		ug/kg	0.80	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.44	1
cis-1,3-Dichloropropene	ND		ug/kg	0.80	0.25	1
Bromoform	ND		ug/kg	6.4	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.80	0.27	1
Benzene	ND		ug/kg	0.80	0.27	1
Toluene	ND		ug/kg	1.6	0.87	1
Ethylbenzene	ND		ug/kg	1.6	0.23	1
Chloromethane	ND		ug/kg	6.4	1.5	1
Bromomethane	ND		ug/kg	3.2	0.94	1
Vinyl chloride	ND		ug/kg	1.6	0.54	1
Chloroethane	ND		ug/kg	3.2	0.73	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.22	1
Trichloroethene	0.74	J	ug/kg	0.80	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	0.23	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-12**Date Collected:** 11/05/24 11:49**Client ID:** SB-13-10-15**Date Received:** 11/06/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	3.2	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	0.28	1
Methyl tert butyl ether	ND		ug/kg	3.2	0.32	1
p/m-Xylene	ND		ug/kg	3.2	0.90	1
o-Xylene	ND		ug/kg	1.6	0.47	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.28	1
Styrene	ND		ug/kg	1.6	0.32	1
Dichlorodifluoromethane	ND		ug/kg	16	1.5	1
Acetone	ND		ug/kg	16	7.7	1
Carbon disulfide	ND		ug/kg	16	7.3	1
2-Butanone	ND		ug/kg	16	3.6	1
4-Methyl-2-pentanone	ND		ug/kg	16	2.1	1
2-Hexanone	ND		ug/kg	16	1.9	1
Bromochloromethane	ND		ug/kg	3.2	0.33	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.45	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	1.6	1
Isopropylbenzene	ND		ug/kg	1.6	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	0.52	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	0.44	1
Methyl Acetate	ND		ug/kg	6.4	1.5	1
Cyclohexane	ND		ug/kg	16	0.88	1
1,4-Dioxane	ND		ug/kg	130	56.	1
Freon-113	ND		ug/kg	6.4	1.1	1
Methyl cyclohexane	ND		ug/kg	6.4	0.97	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	84		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	117		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-13
 Client ID: TRIP BLANK
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/05/24 00:00
 Date Received: 11/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 11/19/24 14:25

Analyst: AJK

Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-13**Date Collected:** 11/05/24 00:00**Client ID:** TRIP BLANK**Date Received:** 11/06/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	ND		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
Methyl Acetate	ND		ug/kg	4.0	0.95	1
Cyclohexane	ND		ug/kg	10	0.54	1
1,4-Dioxane	ND		ug/kg	80	35.	1
Freon-113	ND		ug/kg	4.0	0.69	1
Methyl cyclohexane	ND		ug/kg	4.0	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	92		70-130

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464699
Report Date: 11/20/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/24 14:31
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04,06,08,10,12 Batch: WG1995831-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464699
Report Date: 11/20/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/24 14:31
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04,06,08,10,12 Batch: WG1995831-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,4-Dioxane	ND		ug/kg	80	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	108		70-130



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464699
Report Date: 11/20/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/19/24 11:03
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 13 Batch: WG1999491-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464699
Report Date: 11/20/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/19/24 11:03
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 13 Batch: WG1999491-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464699
Report Date: 11/20/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/19/24 11:03
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 13 Batch: WG1999491-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	90		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464699

Report Date: 11/20/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04,06,08,10,12 Batch: WG1995831-3 WG1995831-4								
Methylene chloride	113		111		70-130	2		30
1,1-Dichloroethane	121		120		70-130	1		30
Chloroform	118		118		70-130	0		30
Carbon tetrachloride	115		112		70-130	3		30
1,2-Dichloropropane	121		124		70-130	2		30
Dibromochloromethane	96		95		70-130	1		30
1,1,2-Trichloroethane	90		92		70-130	2		30
Tetrachloroethene	90		88		70-130	2		30
Chlorobenzene	90		90		70-130	0		30
Trichlorofluoromethane	111		108		70-139	3		30
1,2-Dichloroethane	122		123		70-130	1		30
1,1,1-Trichloroethane	118		117		70-130	1		30
Bromodichloromethane	123		123		70-130	0		30
trans-1,3-Dichloropropene	94		94		70-130	0		30
cis-1,3-Dichloropropene	126		127		70-130	1		30
Bromoform	87		87		70-130	0		30
1,1,2,2-Tetrachloroethane	81		85		70-130	5		30
Benzene	118		118		70-130	0		30
Toluene	87		85		70-130	2		30
Ethylbenzene	89		88		70-130	1		30
Chloromethane	121		117		52-130	3		30
Bromomethane	123		122		57-147	1		30
Vinyl chloride	114		111		67-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464699

Report Date: 11/20/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04,06,08,10,12 Batch: WG1995831-3 WG1995831-4								
Chloroethane	124		120		50-151	3		30
1,1-Dichloroethene	113		111		65-135	2		30
trans-1,2-Dichloroethene	117		116		70-130	1		30
Trichloroethene	123		120		70-130	2		30
1,2-Dichlorobenzene	85		85		70-130	0		30
1,3-Dichlorobenzene	86		86		70-130	0		30
1,4-Dichlorobenzene	85		85		70-130	0		30
Methyl tert butyl ether	120		121		66-130	1		30
p/m-Xylene	92		92		70-130	0		30
o-Xylene	91		91		70-130	0		30
cis-1,2-Dichloroethene	117		116		70-130	1		30
Styrene	93		93		70-130	0		30
Dichlorodifluoromethane	84		83		30-146	1		30
Acetone	139		123		54-140	12		30
Carbon disulfide	111		108		59-130	3		30
2-Butanone	133	Q	131	Q	70-130	2		30
4-Methyl-2-pentanone	97		97		70-130	0		30
2-Hexanone	99		99		70-130	0		30
Bromochloromethane	122		122		70-130	0		30
1,2-Dibromoethane	91		93		70-130	2		30
1,2-Dibromo-3-chloropropane	79		83		68-130	5		30
Isopropylbenzene	83		82		70-130	1		30
1,2,3-Trichlorobenzene	84		87		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464699

Report Date: 11/20/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04,06,08,10,12 Batch: WG1995831-3 WG1995831-4								
1,2,4-Trichlorobenzene	88		88		70-130	0		30
1,4-Dioxane	109		110		65-136	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		107		70-130
Toluene-d8	88		87		70-130
4-Bromofluorobenzene	95		97		70-130
Dibromofluoromethane	108		110		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464699

Report Date: 11/20/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 13 Batch: WG1999491-3 WG1999491-4								
Methylene chloride	92		93		70-130	1		30
1,1-Dichloroethane	97		99		70-130	2		30
Chloroform	84		90		70-130	7		30
Carbon tetrachloride	81		80		70-130	1		30
1,2-Dichloropropane	106		106		70-130	0		30
Dibromochloromethane	101		102		70-130	1		30
1,1,2-Trichloroethane	110		111		70-130	1		30
Tetrachloroethene	89		90		70-130	1		30
Chlorobenzene	96		97		70-130	1		30
Trichlorofluoromethane	81		81		70-139	0		30
1,2-Dichloroethane	90		90		70-130	0		30
1,1,1-Trichloroethane	84		85		70-130	1		30
Bromodichloromethane	92		93		70-130	1		30
trans-1,3-Dichloropropene	106		107		70-130	1		30
cis-1,3-Dichloropropene	100		100		70-130	0		30
Bromoform	100		103		70-130	3		30
1,1,2,2-Tetrachloroethane	117		118		70-130	1		30
Benzene	93		93		70-130	0		30
Toluene	99		99		70-130	0		30
Ethylbenzene	96		97		70-130	1		30
Chloromethane	104		105		52-130	1		30
Bromomethane	73		73		57-147	0		30
Vinyl chloride	90		91		67-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464699

Report Date: 11/20/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 13 Batch: WG1999491-3 WG1999491-4								
Chloroethane	94		96		50-151	2		30
1,1-Dichloroethene	88		88		65-135	0		30
trans-1,2-Dichloroethene	88		90		70-130	2		30
Trichloroethene	91		92		70-130	1		30
1,2-Dichlorobenzene	101		103		70-130	2		30
1,3-Dichlorobenzene	100		102		70-130	2		30
1,4-Dichlorobenzene	100		102		70-130	2		30
Methyl tert butyl ether	81		81		66-130	0		30
p/m-Xylene	95		97		70-130	2		30
o-Xylene	95		96		70-130	1		30
cis-1,2-Dichloroethene	89		90		70-130	1		30
Styrene	97		97		70-130	0		30
Dichlorodifluoromethane	78		78		30-146	0		30
Acetone	85		82		54-140	4		30
Carbon disulfide	82		82		59-130	0		30
2-Butanone	94		91		70-130	3		30
4-Methyl-2-pentanone	118		114		70-130	3		30
2-Hexanone	112		108		70-130	4		30
Bromochloromethane	91		91		70-130	0		30
1,2-Dibromoethane	108		109		70-130	1		30
1,2-Dibromo-3-chloropropane	98		99		68-130	1		30
Isopropylbenzene	102		105		70-130	3		30
1,2,3-Trichlorobenzene	103		108		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464699

Report Date: 11/20/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 13 Batch: WG1999491-3 WG1999491-4								
1,2,4-Trichlorobenzene	103		105		70-130	2		30
Methyl Acetate	99		95		51-146	4		30
Cyclohexane	104		105		59-142	1		30
1,4-Dioxane	89		91		65-136	2		30
Freon-113	85		86		50-139	1		30
Methyl cyclohexane	89		90		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
Toluene-d8	105		106		70-130
4-Bromofluorobenzene	106		108		70-130
Dibromofluoromethane	93		92		70-130

SEMIVOLATILES

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-02

Date Collected: 11/05/24 09:00

Client ID: SB-05-10-15

Date Received: 11/06/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270E

Extraction Date: 11/08/24 08:48

Analytical Date: 11/08/24 23:28

Analyst: SLR

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
Fluoranthene	ND		ug/kg	110	21.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	76		30-120
4-Terphenyl-d14	70		18-120

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464699**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-04
 Client ID: SB-06-10-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/05/24 10:25
 Date Received: 11/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 11/08/24 23:52
 Analyst: SLR
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 11/08/24 08:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
Fluoranthene	ND		ug/kg	110	21.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	73		30-120
4-Terphenyl-d14	58		18-120

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-06
 Client ID: SB-07-10-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/05/24 10:35
 Date Received: 11/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 11/09/24 05:10
 Analyst: SMZ
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 11/08/24 08:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Fluoranthene	ND		ug/kg	110	21.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	87		30-120
4-Terphenyl-d14	65		18-120

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-08
 Client ID: SB-11-13-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/05/24 13:55
 Date Received: 11/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 11/09/24 04:24
 Analyst: SMZ
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 11/08/24 08:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Fluoranthene	ND		ug/kg	120	22.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	85		30-120
4-Terphenyl-d14	61		18-120

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-10
 Client ID: SB-12-10-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/05/24 12:35
 Date Received: 11/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 11/09/24 04:47
 Analyst: SMZ
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 11/08/24 08:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Fluoranthene	ND		ug/kg	110	22.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	74		30-120
4-Terphenyl-d14	52		18-120

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464699**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-12
 Client ID: SB-13-10-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/05/24 11:49
 Date Received: 11/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 11/09/24 05:34
 Analyst: SMZ
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 11/08/24 08:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Fluoranthene	52	J	ug/kg	110	21.	1
Benzo(a)anthracene	27	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	34	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	26	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	29	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	45	J	ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	86		30-120
4-Terphenyl-d14	68		18-120

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464699
Report Date: 11/20/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/09/24 00:13
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 11/08/24 08:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12 Batch: WG1994821-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	98	19.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	84		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464699

Report Date: 11/20/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12 Batch: WG1994821-2 WG1994821-3								
Acenaphthene	76		66		31-137	14		50
Fluoranthene	75		68		40-140	10		50
Benzo(a)anthracene	75		67		40-140	11		50
Benzo(a)pyrene	80		69		40-140	15		50
Benzo(b)fluoranthene	75		65		40-140	14		50
Benzo(k)fluoranthene	78		68		40-140	14		50
Chrysene	74		66		40-140	11		50
Acenaphthylene	89		81		40-140	9		50
Anthracene	78		69		40-140	12		50
Benzo(ghi)perylene	75		66		40-140	13		50
Fluorene	79		71		40-140	11		50
Phenanthrene	73		66		40-140	10		50
Dibenzo(a,h)anthracene	76		67		40-140	13		50
Indeno(1,2,3-cd)pyrene	74		65		40-140	13		50
Pyrene	76		68		35-142	11		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		71		25-120
Phenol-d6	81		74		10-120
Nitrobenzene-d5	81		74		23-120
2-Fluorobiphenyl	86		78		30-120
2,4,6-Tribromophenol	104		96		10-136
4-Terphenyl-d14	78		71		18-120

METALS

Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-03

Date Collected: 11/05/24 10:30

Client ID: SB-06-0-5

Date Received: 11/06/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	15400		mg/kg	9.24	2.49	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Antimony, Total	1.24	J	mg/kg	4.62	0.351	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Arsenic, Total	10.4		mg/kg	0.924	0.192	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Barium, Total	115		mg/kg	0.924	0.161	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.640		mg/kg	0.462	0.031	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.320	J	mg/kg	0.924	0.091	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Calcium, Total	7240		mg/kg	9.24	3.23	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Chromium, Total	17.9		mg/kg	0.924	0.089	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Cobalt, Total	10.0		mg/kg	1.85	0.153	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Copper, Total	37.2		mg/kg	0.924	0.238	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Iron, Total	25100		mg/kg	4.62	0.834	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Lead, Total	193		mg/kg	4.62	0.248	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Magnesium, Total	8400		mg/kg	9.24	1.42	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Manganese, Total	885		mg/kg	0.924	0.147	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Mercury, Total	0.400		mg/kg	0.076	0.050	1	11/07/24 10:00	11/11/24 12:18	EPA 7471B	1,7471B	JWN
Nickel, Total	22.4		mg/kg	2.31	0.224	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Potassium, Total	608		mg/kg	231	13.3	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Selenium, Total	0.264	J	mg/kg	1.85	0.238	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Silver, Total	0.424	J	mg/kg	0.462	0.261	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Sodium, Total	576		mg/kg	185	2.91	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.85	0.291	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Vanadium, Total	23.0		mg/kg	0.924	0.188	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC
Zinc, Total	148		mg/kg	4.62	0.271	2	11/07/24 08:25	11/11/24 17:37	EPA 3050B	1,6010D	DMC



Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-05

Date Collected: 11/05/24 10:37

Client ID: SB-07-0-5

Date Received: 11/06/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9130		mg/kg	8.20	2.21	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Antimony, Total	0.597	J	mg/kg	4.10	0.312	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Arsenic, Total	7.38		mg/kg	0.820	0.170	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Barium, Total	32.1		mg/kg	0.820	0.143	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.402	J	mg/kg	0.410	0.027	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.820	0.080	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Calcium, Total	79800		mg/kg	8.20	2.87	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Chromium, Total	12.0		mg/kg	0.820	0.079	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Cobalt, Total	6.43		mg/kg	1.64	0.136	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Copper, Total	26.0		mg/kg	0.820	0.212	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Iron, Total	18000		mg/kg	4.10	0.740	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Lead, Total	79.7		mg/kg	4.10	0.220	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Magnesium, Total	47900		mg/kg	16.4	2.52	4	11/07/24 08:25	11/11/24 18:31	EPA 3050B	1,6010D	DMC
Manganese, Total	431		mg/kg	0.820	0.130	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Mercury, Total	0.087		mg/kg	0.069	0.045	1	11/07/24 10:00	11/11/24 12:21	EPA 7471B	1,7471B	JWN
Nickel, Total	15.6		mg/kg	2.05	0.198	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Potassium, Total	451		mg/kg	205	11.8	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.64	0.212	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.410	0.232	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Sodium, Total	549		mg/kg	164	2.58	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.64	0.258	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Vanadium, Total	16.1		mg/kg	0.820	0.166	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC
Zinc, Total	73.6		mg/kg	4.10	0.240	2	11/07/24 08:25	11/11/24 17:42	EPA 3050B	1,6010D	DMC



Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-07

Date Collected: 11/05/24 13:50

Client ID: SB-11-0-5

Date Received: 11/06/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12100		mg/kg	8.22	2.22	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Antimony, Total	0.602	J	mg/kg	4.11	0.312	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Arsenic, Total	5.52		mg/kg	0.822	0.171	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Barium, Total	30.6		mg/kg	0.822	0.143	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.394	J	mg/kg	0.411	0.027	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.152	J	mg/kg	0.822	0.081	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Calcium, Total	10500		mg/kg	8.22	2.88	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Chromium, Total	12.8		mg/kg	0.822	0.079	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Cobalt, Total	8.99		mg/kg	1.64	0.136	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Copper, Total	25.7		mg/kg	0.822	0.212	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Iron, Total	23200		mg/kg	4.11	0.742	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Lead, Total	17.6		mg/kg	4.11	0.220	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Magnesium, Total	9480		mg/kg	8.22	1.26	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Manganese, Total	786		mg/kg	0.822	0.131	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Mercury, Total	0.053	J	mg/kg	0.067	0.044	1	11/07/24 10:00	11/11/24 12:31	EPA 7471B	1,7471B	JWN
Nickel, Total	20.4		mg/kg	2.05	0.199	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Potassium, Total	421		mg/kg	205	11.8	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.64	0.212	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.411	0.232	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Sodium, Total	197		mg/kg	164	2.59	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.64	0.259	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Vanadium, Total	12.9		mg/kg	0.822	0.167	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC
Zinc, Total	59.8		mg/kg	4.11	0.241	2	11/07/24 08:25	11/11/24 17:46	EPA 3050B	1,6010D	DMC



Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-09

Date Collected: 11/05/24 12:28

Client ID: SB-12-0-5

Date Received: 11/06/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	15500		mg/kg	8.53	2.30	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Antimony, Total	2.36	J	mg/kg	4.26	0.324	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Arsenic, Total	11.9		mg/kg	0.853	0.177	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Barium, Total	184		mg/kg	0.853	0.148	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.604		mg/kg	0.426	0.028	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.541	J	mg/kg	0.853	0.084	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Calcium, Total	2880		mg/kg	8.53	2.98	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Chromium, Total	20.8		mg/kg	0.853	0.082	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Cobalt, Total	12.0		mg/kg	1.70	0.142	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Copper, Total	986		mg/kg	0.853	0.220	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Iron, Total	30300		mg/kg	4.26	0.770	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Lead, Total	376		mg/kg	4.26	0.228	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Magnesium, Total	7060		mg/kg	8.53	1.31	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Manganese, Total	1040		mg/kg	0.853	0.136	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Mercury, Total	0.282		mg/kg	0.070	0.046	1	11/07/24 10:00	11/11/24 12:34	EPA 7471B	1,7471B	JWN
Nickel, Total	25.0		mg/kg	2.13	0.206	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Potassium, Total	589		mg/kg	213	12.3	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.70	0.220	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Silver, Total	2.12		mg/kg	0.855	0.484	2	11/12/24 17:48	11/13/24 15:10	EPA 3050B	1,6010D	DHL
Sodium, Total	131	J	mg/kg	170	2.69	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.70	0.269	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Vanadium, Total	17.5		mg/kg	0.853	0.173	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC
Zinc, Total	349		mg/kg	4.26	0.250	2	11/07/24 08:25	11/11/24 18:01	EPA 3050B	1,6010D	DMC



Project Name: 50 RAYMOND AVE**Lab Number:** L2464699**Project Number:** 24.5088**Report Date:** 11/20/24**SAMPLE RESULTS**

Lab ID: L2464699-11

Date Collected: 11/05/24 11:55

Client ID: SB-13-0-5

Date Received: 11/06/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	15900		mg/kg	9.97	2.69	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Antimony, Total	1.04	J	mg/kg	4.99	0.379	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Arsenic, Total	8.18		mg/kg	0.997	0.207	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Barium, Total	44.8		mg/kg	0.997	0.174	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.571		mg/kg	0.499	0.033	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.251	J	mg/kg	0.997	0.098	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Calcium, Total	1970		mg/kg	9.97	3.49	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Chromium, Total	16.6		mg/kg	0.997	0.096	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Cobalt, Total	10.3		mg/kg	1.99	0.166	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Copper, Total	34.3		mg/kg	0.997	0.257	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Iron, Total	28100		mg/kg	4.99	0.901	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Lead, Total	78.8		mg/kg	4.99	0.267	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Magnesium, Total	6780		mg/kg	9.97	1.54	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Manganese, Total	772		mg/kg	0.997	0.158	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Mercury, Total	0.083		mg/kg	0.080	0.052	1	11/07/24 10:00	11/11/24 12:37	EPA 7471B	1,7471B	JWN
Nickel, Total	23.7		mg/kg	2.49	0.241	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Potassium, Total	397		mg/kg	249	14.4	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.99	0.257	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.499	0.282	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Sodium, Total	33.3	J	mg/kg	199	3.14	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.99	0.314	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Vanadium, Total	17.5		mg/kg	0.997	0.202	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC
Zinc, Total	91.8		mg/kg	4.99	0.292	2	11/07/24 08:25	11/11/24 18:05	EPA 3050B	1,6010D	DMC



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464699
Report Date: 11/20/24

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03,05,07,09,11 Batch: WG1994193-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Barium, Total	ND		mg/kg	0.400	0.070	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Copper, Total	ND		mg/kg	0.400	0.103	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Iron, Total	0.535	J	mg/kg	2.00	0.361	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Lead, Total	ND		mg/kg	2.00	0.107	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Potassium, Total	ND		mg/kg	100	5.76	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Silver, Total	ND		mg/kg	0.200	0.113	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Sodium, Total	ND		mg/kg	80.0	1.26	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/07/24 08:25	11/08/24 11:24	1,6010D	JMF

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03,05,07,09,11 Batch: WG1994194-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/07/24 10:00	11/07/24 16:32	1,7471B	JWN



Project Name: 50 RAYMOND AVE

Lab Number: L2464699

Project Number: 24.5088

Report Date: 11/20/24

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 09 Batch: WG1996136-1										
Arsenic, Total	0.085	J	mg/kg	0.400	0.083	1	11/12/24 17:48	11/13/24 15:03	1,6010D	DHL
Barium, Total	ND		mg/kg	0.400	0.070	1	11/12/24 17:48	11/13/24 15:03	1,6010D	DHL
Lead, Total	ND		mg/kg	2.00	0.107	1	11/12/24 17:48	11/13/24 15:03	1,6010D	DHL
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/12/24 17:48	11/13/24 15:03	1,6010D	DHL
Silver, Total	ND		mg/kg	0.200	0.113	1	11/12/24 17:48	11/13/24 15:03	1,6010D	DHL

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464699

Report Date: 11/20/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05,07,09,11 Batch: WG1994193-2								
Aluminum, Total	99		-		80-120	-		
Antimony, Total	99		-		80-120	-		
Arsenic, Total	95		-		80-120	-		
Barium, Total	102		-		80-120	-		
Beryllium, Total	102		-		80-120	-		
Cadmium, Total	98		-		80-120	-		
Calcium, Total	102		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Cobalt, Total	98		-		80-120	-		
Copper, Total	99		-		80-120	-		
Iron, Total	104		-		80-120	-		
Lead, Total	98		-		80-120	-		
Magnesium, Total	98		-		80-120	-		
Manganese, Total	101		-		80-120	-		
Nickel, Total	100		-		80-120	-		
Potassium, Total	104		-		80-120	-		
Selenium, Total	97		-		80-120	-		
Silver, Total	99		-		80-120	-		
Sodium, Total	102		-		80-120	-		
Thallium, Total	99		-		80-120	-		
Vanadium, Total	98		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464699

Report Date: 11/20/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05,07,09,11 Batch: WG1994193-2					
Zinc, Total	100	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 03,05,07,09,11 Batch: WG1994194-2					
Mercury, Total	113	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 09 Batch: WG1996136-2					
Arsenic, Total	99	-	80-120	-	
Barium, Total	102	-	80-120	-	
Lead, Total	97	-	80-120	-	
Selenium, Total	93	-	80-120	-	
Silver, Total	105	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464699

Report Date: 11/20/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05,07,09,11				QC Batch ID: WG1994193-3		QC Sample: L2464703-01		Client ID: MS Sample				
Aluminum, Total	5870	216	5970	46	Q	-	-		75-125	-		20
Antimony, Total	ND	54.1	53.0	98		-	-		75-125	-		20
Arsenic, Total	4.56	13	18.5	107		-	-		75-125	-		20
Barium, Total	14.3	216	239	104		-	-		75-125	-		20
Beryllium, Total	0.178J	5.41	5.87	108		-	-		75-125	-		20
Cadmium, Total	ND	5.73	5.90	103		-	-		75-125	-		20
Calcium, Total	1740	1080	2690	88		-	-		75-125	-		20
Chromium, Total	9.84	21.6	32.1	103		-	-		75-125	-		20
Cobalt, Total	4.26	54.1	60.7	104		-	-		75-125	-		20
Copper, Total	10.7	27	40.9	112		-	-		75-125	-		20
Iron, Total	11600	108	12000	370	Q	-	-		75-125	-		20
Lead, Total	4.39J	57.3	63.9	111		-	-		75-125	-		20
Magnesium, Total	2370	1080	3660	119		-	-		75-125	-		20
Manganese, Total	160	54.1	223	116		-	-		75-125	-		20
Nickel, Total	9.61	54.1	65.7	104		-	-		75-125	-		20
Potassium, Total	595	1080	1770	109		-	-		75-125	-		20
Selenium, Total	ND	13	13.9	107		-	-		75-125	-		20
Silver, Total	ND	5.41	5.82	108		-	-		75-125	-		20
Sodium, Total	59.7J	1080	1180	109		-	-		75-125	-		20
Thallium, Total	ND	13	13.4	103		-	-		75-125	-		20
Vanadium, Total	13.4	54.1	69.8	104		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464699
Report Date: 11/20/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05,07,09,11 QC Batch ID: WG1994193-3 QC Sample: L2464703-01 Client ID: MS Sample									
Zinc, Total	23.6	54.1	80.0	104	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 03,05,07,09,11 QC Batch ID: WG1994194-3 QC Sample: L2464703-01 Client ID: MS Sample									
Mercury, Total	ND	1.81	2.09	115	-	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1996136-3 QC Sample: L2465035-01 Client ID: MS Sample									
Arsenic, Total	14.7	10.4	26.1	110	-	-	75-125	-	20
Barium, Total	26.9	173	195	97	-	-	75-125	-	20
Lead, Total	101	45.7	127	57	Q	-	75-125	-	20
Selenium, Total	ND	10.4	9.67	93	-	-	75-125	-	20
Silver, Total	ND	4.32	4.50	104	-	-	75-125	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2464699

Report Date: 11/20/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05,07,09,11 QC Batch ID: WG1994193-4 QC Sample: L2464703-01 Client ID: DUP Sample						
Arsenic, Total	4.56	4.71	mg/kg	3		20
Barium, Total	14.3	14.8	mg/kg	3		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	9.84	10.8	mg/kg	9		20
Lead, Total	4.39J	4.54J	mg/kg	NC		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 03,05,07,09,11 QC Batch ID: WG1994194-4 QC Sample: L2464703-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1996136-4 QC Sample: L2465035-01 Client ID: DUP Sample						
Lead, Total	101	116	mg/kg	14		20

INORGANICS & MISCELLANEOUS

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464699**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-02**Client ID:** SB-05-10-15**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/05/24 09:00**Date Received:** 11/06/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	11/07/24 08:19	121,2540G	MAW



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464699**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-03**Client ID:** SB-06-0-5**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/05/24 10:30**Date Received:** 11/06/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.0		%	0.100	NA	1	-	11/07/24 17:04	121,2540G	SJB



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464699**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-04**Client ID:** SB-06-10-15**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/05/24 10:25**Date Received:** 11/06/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	11/07/24 08:19	121,2540G	MAW



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464699**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-05**Client ID:** SB-07-0-5**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/05/24 10:37**Date Received:** 11/06/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.8		%	0.100	NA	1	-	11/07/24 17:04	121,2540G	SJB



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464699**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-06**Client ID:** SB-07-10-15**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/05/24 10:35**Date Received:** 11/06/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	11/07/24 08:19	121,2540G	MAW



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464699**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-07**Client ID:** SB-11-0-5**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/05/24 13:50**Date Received:** 11/06/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.6		%	0.100	NA	1	-	11/07/24 17:04	121,2540G	SJB



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464699**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-08**Client ID:** SB-11-13-15**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/05/24 13:55**Date Received:** 11/06/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.2		%	0.100	NA	1	-	11/07/24 18:28	121,2540G	SJB



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464699**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-09**Client ID:** SB-12-0-5**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/05/24 12:28**Date Received:** 11/06/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	11/07/24 17:04	121,2540G	SJB



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464699**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-10**Client ID:** SB-12-10-15**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/05/24 12:35**Date Received:** 11/06/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	11/07/24 18:28	121,2540G	SJB



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464699**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-11**Client ID:** SB-13-0-5**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/05/24 11:55**Date Received:** 11/06/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	11/07/24 17:04	121,2540G	SJB



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2464699**Report Date:** 11/20/24**SAMPLE RESULTS****Lab ID:** L2464699-12**Client ID:** SB-13-10-15**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/05/24 11:49**Date Received:** 11/06/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.7		%	0.100	NA	1	-	11/07/24 18:28	121,2540G	SJB



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L2464699
Report Date: 11/20/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG1994290-1 QC Sample: L2464567-01 Client ID: DUP Sample						
Solids, Total	49.3	47.0	%	5		20
General Chemistry - Westborough Lab Associated sample(s): 03,05,07,09,11 QC Batch ID: WG1994558-1 QC Sample: L2465001-02 Client ID: DUP Sample						
Solids, Total	85.2	85.0	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 08,10,12 QC Batch ID: WG1994590-1 QC Sample: L2464236-01 Client ID: DUP Sample						
Solids, Total	91.1	90.9	%	0		20

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Serial_No:11202415:57
Lab Number: L2464699
Report Date: 11/20/24

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2464699-01A	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		HOLD-WETCHEM()
L2464699-01B	Glass 60ml unpreserved split	A	NA		3.4	Y	Absent		HOLD-METAL(180)
L2464699-02A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2464699-02B	Vial water preserved	A	NA		3.4	Y	Absent	07-NOV-24 02:21	NYTCL-8260HLW(14)
L2464699-02C	Vial water preserved	A	NA		3.4	Y	Absent	07-NOV-24 02:21	NYTCL-8260HLW(14)
L2464699-02D	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYCP51-PAH(14)
L2464699-02E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2464699-03A	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2464699-03B	Glass 60ml unpreserved split	A	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2464699-04A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2464699-04B	Vial water preserved	A	NA		3.4	Y	Absent	07-NOV-24 02:21	NYTCL-8260HLW(14)
L2464699-04C	Vial water preserved	A	NA		3.4	Y	Absent	07-NOV-24 02:21	NYTCL-8260HLW(14)
L2464699-04D	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYCP51-PAH(14)
L2464699-04E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2464699-05A	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2464699-05B	Glass 60ml unpreserved split	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2464699-06A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2464699-06B	Vial water preserved	A	NA		3.4	Y	Absent	07-NOV-24 02:21	NYTCL-8260HLW(14)

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Serial_No:11202415:57
Lab Number: L2464699
Report Date: 11/20/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2464699-06C	Vial water preserved	A	NA		3.4	Y	Absent	07-NOV-24 02:21	NYTCL-8260HLW(14)
L2464699-06D	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYCP51-PAH(14)
L2464699-06E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2464699-07A	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2464699-07B	Glass 60ml unpreserved split	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2464699-08A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2464699-08B	Vial water preserved	A	NA		3.4	Y	Absent	07-NOV-24 02:21	NYTCL-8260HLW(14)
L2464699-08C	Vial water preserved	A	NA		3.4	Y	Absent	07-NOV-24 02:21	NYTCL-8260HLW(14)
L2464699-08D	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYCP51-PAH(14)
L2464699-08E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2464699-09A	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2464699-09B	Glass 60ml unpreserved split	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2464699-10A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2464699-10B	Vial water preserved	A	NA		3.4	Y	Absent	07-NOV-24 02:21	NYTCL-8260HLW(14)
L2464699-10C	Vial water preserved	A	NA		3.4	Y	Absent	07-NOV-24 02:21	NYTCL-8260HLW(14)
L2464699-10D	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYCP51-PAH(14)
L2464699-10E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2464699-11A	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2464699-11B	Glass 60ml unpreserved split	A	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2464699-12A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2464699-12B	Vial water preserved	A	NA		3.4	Y	Absent	07-NOV-24 02:21	NYTCL-8260HLW(14)

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Serial_No:11202415:57
Lab Number: L2464699
Report Date: 11/20/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2464699-12C	Vial water preserved	A	NA		3.4	Y	Absent	07-NOV-24 02:21	NYTCL-8260HLW(14)
L2464699-12D	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYCP51-PAH(14)
L2464699-12E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2464699-13A	Vial MeOH preserved	NA	NA			Y	Absent		NYTCL-8260HLW(14)
L2464699-13B	Vial water preserved	A	NA		3.4	Y	Absent	07-NOV-24 02:21	NYTCL-8260HLW(14)
L2464699-13C	Vial water preserved	A	NA		3.4	Y	Absent	07-NOV-24 02:21	NYTCL-8260HLW(14)

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464699
Report Date: 11/20/24

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: DU Report with 'J' Qualifiers



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464699
Report Date: 11/20/24

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. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464699
Report Date: 11/20/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- 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: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2464699
Report Date: 11/20/24

REFERENCES

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

LIMITATION OF LIABILITIES

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.



Certification Information

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

Westborough Facility

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

EPA 625.1: alpha-Terpineol

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

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

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

Mansfield Facility

SM 2540D: TSS.

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

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

Nonpotable Water: **EPA RSK-175 Dissolved Gases**

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, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

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

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

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

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JOB: L2467124 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1050: Metals Duplicate Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK



ANALYTICAL REPORT

Lab Number:	L2467124
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12110
ATTN:	Rosaura Andujar-McNeil
Phone:	(518) 786-7400
Project Name:	50 RAYMOND AVE
Project Number:	24.5088
Report Date:	11/25/24

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

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



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467124
Report Date: 11/25/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2467124-01	SB-08-0-5	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12605	11/14/24 10:55	11/15/24
L2467124-02	SB-08-10-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12605	11/14/24 11:00	11/15/24
L2467124-03	SB-10-0-2.5	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12605	11/14/24 14:00	11/15/24
L2467124-04	SB-10-12.5-14.5	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12605	11/14/24 14:05	11/15/24

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467124
Report Date: 11/25/24

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

HOLD POLICY - For samples submitted on hold, 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: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467124
Report Date: 11/25/24

Case Narrative (continued)

Report Submission

November 25, 2024: This is a preliminary report.

Please note that your project has contingency samples on hold. Contact your project manager to request additional analyses within 3 business days of receiving this report. Requests made after this time frame will be reported separately.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L2467124-03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 11/25/24

ORGANICS

VOLATILES

Project Name: 50 RAYMOND AVE**Lab Number:** L2467124**Project Number:** 24.5088**Report Date:** 11/25/24**SAMPLE RESULTS**

Lab ID: L2467124-02
 Client ID: SB-08-10-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12605

Date Collected: 11/14/24 11:00
 Date Received: 11/15/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 11/23/24 02:19
 Analyst: JIC
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	1.2		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.91	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.71	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.76	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.59	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1
Trichloroethene	ND		ug/kg	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2467124**Project Number:** 24.5088**Report Date:** 11/25/24**SAMPLE RESULTS****Lab ID:** L2467124-02**Date Collected:** 11/14/24 11:00**Client ID:** SB-08-10-15**Date Received:** 11/15/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12605**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.74	1
o-Xylene	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.3	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
Methyl Acetate	ND		ug/kg	5.2	1.2	1
Cyclohexane	ND		ug/kg	13	0.72	1
1,4-Dioxane	ND		ug/kg	100	46.	1
Freon-113	ND		ug/kg	5.2	0.91	1
Methyl cyclohexane	ND		ug/kg	5.2	0.79	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2467124**Project Number:** 24.5088**Report Date:** 11/25/24**SAMPLE RESULTS**

Lab ID: L2467124-04
 Client ID: SB-10-12.5-14.5
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12605

Date Collected: 11/14/24 14:05
 Date Received: 11/15/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 11/23/24 03:15

Analyst: JIC

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.0	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.38	1
Tetrachloroethene	0.45	J	ug/kg	0.70	0.28	1
Chlorobenzene	ND		ug/kg	0.70	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.98	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.70	0.24	1
Bromodichloromethane	ND		ug/kg	0.70	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.70	0.22	1
Bromoform	ND		ug/kg	5.6	0.35	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.70	0.23	1
Benzene	ND		ug/kg	0.70	0.23	1
Toluene	ND		ug/kg	1.4	0.76	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.6	1.3	1
Bromomethane	ND		ug/kg	2.8	0.82	1
Vinyl chloride	ND		ug/kg	1.4	0.47	1
Chloroethane	ND		ug/kg	2.8	0.64	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1
Trichloroethene	1.3		ug/kg	0.70	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2467124**Project Number:** 24.5088**Report Date:** 11/25/24**SAMPLE RESULTS****Lab ID:** L2467124-04**Date Collected:** 11/14/24 14:05**Client ID:** SB-10-12.5-14.5**Date Received:** 11/15/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12605**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.79	1
o-Xylene	ND		ug/kg	1.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.25	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	6.8	1
Carbon disulfide	ND		ug/kg	14	6.4	1
2-Butanone	ND		ug/kg	14	3.1	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
2-Hexanone	ND		ug/kg	14	1.7	1
Bromochloromethane	ND		ug/kg	2.8	0.29	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.39	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	1.4	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
Methyl Acetate	ND		ug/kg	5.6	1.3	1
Cyclohexane	ND		ug/kg	14	0.76	1
1,4-Dioxane	ND		ug/kg	110	49.	1
Freon-113	ND		ug/kg	5.6	0.98	1
Methyl cyclohexane	ND		ug/kg	5.6	0.85	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	99		70-130

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467124
Report Date: 11/25/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/22/24 22:08
 Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG2001423-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467124
Report Date: 11/25/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/22/24 22:08
 Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG2001423-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467124
Report Date: 11/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/22/24 22:08
Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG2001423-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	91		70-130

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467124
Report Date: 11/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/22/24 22:05
 Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04 Batch: WG2001442-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467124
Report Date: 11/25/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/22/24 22:05
 Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04 Batch: WG2001442-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467124
Report Date: 11/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/22/24 22:05
Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04 Batch: WG2001442-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467124

Report Date: 11/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG2001423-3 WG2001423-4								
Methylene chloride	89		84		70-130	6		30
1,1-Dichloroethane	96		91		70-130	5		30
Chloroform	85		83		70-130	2		30
Carbon tetrachloride	82		78		70-130	5		30
1,2-Dichloropropane	103		98		70-130	5		30
Dibromochloromethane	98		95		70-130	3		30
1,1,2-Trichloroethane	105		102		70-130	3		30
Tetrachloroethene	88		83		70-130	6		30
Chlorobenzene	92		88		70-130	4		30
Trichlorofluoromethane	81		76		70-139	6		30
1,2-Dichloroethane	91		86		70-130	6		30
1,1,1-Trichloroethane	86		81		70-130	6		30
Bromodichloromethane	91		88		70-130	3		30
trans-1,3-Dichloropropene	101		98		70-130	3		30
cis-1,3-Dichloropropene	95		92		70-130	3		30
Bromoform	97		98		70-130	1		30
1,1,2,2-Tetrachloroethane	109		108		70-130	1		30
Benzene	90		85		70-130	6		30
Toluene	95		90		70-130	5		30
Ethylbenzene	93		89		70-130	4		30
Chloromethane	101		93		52-130	8		30
Bromomethane	65		63		57-147	3		30
Vinyl chloride	85		78		67-130	9		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467124

Report Date: 11/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG2001423-3 WG2001423-4								
Chloroethane	89		83		50-151	7		30
1,1-Dichloroethene	82		78		65-135	5		30
trans-1,2-Dichloroethene	85		80		70-130	6		30
Trichloroethene	91		86		70-130	6		30
1,2-Dichlorobenzene	97		96		70-130	1		30
1,3-Dichlorobenzene	94		93		70-130	1		30
1,4-Dichlorobenzene	96		95		70-130	1		30
Methyl tert butyl ether	80		77		66-130	4		30
p/m-Xylene	91		88		70-130	3		30
o-Xylene	91		88		70-130	3		30
cis-1,2-Dichloroethene	85		83		70-130	2		30
Styrene	90		87		70-130	3		30
Dichlorodifluoromethane	79		73		30-146	8		30
Acetone	86		84		54-140	2		30
Carbon disulfide	76		72		59-130	5		30
2-Butanone	88		83		70-130	6		30
4-Methyl-2-pentanone	110		104		70-130	6		30
2-Hexanone	99		94		70-130	5		30
Bromochloromethane	90		86		70-130	5		30
1,2-Dibromoethane	103		101		70-130	2		30
1,2-Dibromo-3-chloropropane	94		94		68-130	0		30
Isopropylbenzene	99		97		70-130	2		30
1,2,3-Trichlorobenzene	102		102		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467124

Report Date: 11/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG2001423-3 WG2001423-4								
1,2,4-Trichlorobenzene	99		99		70-130	0		30
Methyl Acetate	94		88		51-146	7		30
Cyclohexane	104		98		59-142	6		30
1,4-Dioxane	97		96		65-136	1		30
Freon-113	85		80		50-139	6		30
Methyl cyclohexane	87		82		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	107		107		70-130
Dibromofluoromethane	95		93		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467124

Report Date: 11/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG2001442-3 WG2001442-4								
Methylene chloride	94		91		70-130	3		30
1,1-Dichloroethane	106		101		70-130	5		30
Chloroform	94		90		70-130	4		30
Carbon tetrachloride	91		87		70-130	4		30
1,2-Dichloropropane	109		106		70-130	3		30
Dibromochloromethane	104		102		70-130	2		30
1,1,2-Trichloroethane	105		106		70-130	1		30
Tetrachloroethene	115		110		70-130	4		30
Chlorobenzene	106		104		70-130	2		30
Trichlorofluoromethane	69	Q	65	Q	70-139	6		30
1,2-Dichloroethane	89		88		70-130	1		30
1,1,1-Trichloroethane	93		89		70-130	4		30
Bromodichloromethane	93		90		70-130	3		30
trans-1,3-Dichloropropene	99		99		70-130	0		30
cis-1,3-Dichloropropene	99		97		70-130	2		30
Bromoform	95		94		70-130	1		30
1,1,2,2-Tetrachloroethane	104		103		70-130	1		30
Benzene	100		97		70-130	3		30
Toluene	91		88		70-130	3		30
Ethylbenzene	105		100		70-130	5		30
Chloromethane	126		117		52-130	7		30
Bromomethane	77		72		57-147	7		30
Vinyl chloride	100		90		67-130	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467124

Report Date: 11/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG2001442-3 WG2001442-4								
Chloroethane	76		69		50-151	10		30
1,1-Dichloroethene	70		64	Q	65-135	9		30
trans-1,2-Dichloroethene	98		94		70-130	4		30
Trichloroethene	100		97		70-130	3		30
1,2-Dichlorobenzene	106		103		70-130	3		30
1,3-Dichlorobenzene	107		102		70-130	5		30
1,4-Dichlorobenzene	106		101		70-130	5		30
Methyl tert butyl ether	74		74		66-130	0		30
p/m-Xylene	108		104		70-130	4		30
o-Xylene	104		100		70-130	4		30
cis-1,2-Dichloroethene	95		93		70-130	2		30
Styrene	106		102		70-130	4		30
Dichlorodifluoromethane	108		101		30-146	7		30
Acetone	95		97		54-140	2		30
Carbon disulfide	67		62		59-130	8		30
2-Butanone	95		96		70-130	1		30
4-Methyl-2-pentanone	99		104		70-130	5		30
2-Hexanone	88		88		70-130	0		30
Bromochloromethane	99		95		70-130	4		30
1,2-Dibromoethane	104		105		70-130	1		30
1,2-Dibromo-3-chloropropane	93		94		68-130	1		30
Isopropylbenzene	105		101		70-130	4		30
1,2,3-Trichlorobenzene	109		106		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467124

Report Date: 11/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG2001442-3 WG2001442-4								
1,2,4-Trichlorobenzene	111		108		70-130	3		30
Methyl Acetate	103		103		51-146	0		30
Cyclohexane	122		118		59-142	3		30
1,4-Dioxane	80		86		65-136	7		30
Freon-113	71		66		50-139	7		30
Methyl cyclohexane	99		97		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		92		70-130
Toluene-d8	102		104		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	90		90		70-130

SEMIVOLATILES

Project Name: 50 RAYMOND AVE**Lab Number:** L2467124**Project Number:** 24.5088**Report Date:** 11/25/24**SAMPLE RESULTS**

Lab ID: L2467124-02
 Client ID: SB-08-10-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12605

Date Collected: 11/14/24 11:00
 Date Received: 11/15/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 11/22/24 02:33
 Analyst: SLR
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 11/21/24 10:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Fluoranthene	ND		ug/kg	120	22.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	76		30-120
4-Terphenyl-d14	73		18-120

Project Name: 50 RAYMOND AVE**Lab Number:** L2467124**Project Number:** 24.5088**Report Date:** 11/25/24**SAMPLE RESULTS**

Lab ID: L2467124-04
 Client ID: SB-10-12.5-14.5
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12605

Date Collected: 11/14/24 14:05
 Date Received: 11/15/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 11/22/24 02:56
 Analyst: SLR
 Percent Solids: 79%

Extraction Method: EPA 3546
 Extraction Date: 11/21/24 10:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Fluoranthene	ND		ug/kg	120	24.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	29.	1
Pyrene	ND		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	70		30-120
4-Terphenyl-d14	61		18-120

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467124
Report Date: 11/25/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/21/24 23:54
Analyst: SLR

Extraction Method: EPA 3546
Extraction Date: 11/21/24 10:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04 Batch: WG2000462-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	98	19.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	104		10-136
4-Terphenyl-d14	97		18-120



Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467124

Report Date: 11/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04 Batch: WG2000462-2 WG2000462-3								
Acenaphthene	84		82		31-137	2		50
Fluoranthene	86		85		40-140	1		50
Benzo(a)anthracene	84		83		40-140	1		50
Benzo(a)pyrene	96		96		40-140	0		50
Benzo(b)fluoranthene	84		85		40-140	1		50
Benzo(k)fluoranthene	97		96		40-140	1		50
Chrysene	85		85		40-140	0		50
Acenaphthylene	93		88		40-140	6		50
Anthracene	86		87		40-140	1		50
Benzo(ghi)perylene	92		92		40-140	0		50
Fluorene	88		86		40-140	2		50
Phenanthrene	83		83		40-140	0		50
Dibenzo(a,h)anthracene	90		91		40-140	1		50
Indeno(1,2,3-cd)pyrene	93		90		40-140	3		50
Pyrene	84		83		35-142	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	89		86		25-120
Phenol-d6	89		86		10-120
Nitrobenzene-d5	86		85		23-120
2-Fluorobiphenyl	82		79		30-120
2,4,6-Tribromophenol	100		97		10-136
4-Terphenyl-d14	84		82		18-120

METALS

Project Name: 50 RAYMOND AVE**Lab Number:** L2467124**Project Number:** 24.5088**Report Date:** 11/25/24**SAMPLE RESULTS**

Lab ID: L2467124-03

Date Collected: 11/14/24 14:00

Client ID: SB-10-0-2.5

Date Received: 11/15/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12605

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7170		mg/kg	8.82	2.38	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Antimony, Total	0.880	J	mg/kg	4.41	0.335	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Arsenic, Total	14.9		mg/kg	0.882	0.184	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Barium, Total	63.2		mg/kg	0.882	0.154	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Beryllium, Total	0.413	J	mg/kg	0.441	0.029	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Cadmium, Total	0.201	J	mg/kg	0.882	0.086	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Calcium, Total	3420		mg/kg	8.82	3.09	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Chromium, Total	11.7		mg/kg	0.882	0.085	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Cobalt, Total	6.05		mg/kg	1.76	0.146	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Copper, Total	27.8		mg/kg	0.882	0.228	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Iron, Total	15100		mg/kg	4.41	0.797	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Lead, Total	135		mg/kg	4.41	0.236	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Magnesium, Total	2840		mg/kg	8.82	1.36	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Manganese, Total	410		mg/kg	0.882	0.140	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Mercury, Total	0.081		mg/kg	0.080	0.052	1	11/22/24 00:40	11/22/24 08:06	EPA 7471B	1,7471B	SMV
Nickel, Total	14.8		mg/kg	2.20	0.214	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Potassium, Total	472		mg/kg	220	12.7	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Selenium, Total	ND		mg/kg	1.76	0.228	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Silver, Total	ND		mg/kg	0.441	0.250	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Sodium, Total	96.5	J	mg/kg	176	2.78	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Thallium, Total	0.862	J	mg/kg	1.76	0.278	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Vanadium, Total	16.6		mg/kg	0.882	0.179	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP
Zinc, Total	65.6		mg/kg	4.41	0.258	2	11/21/24 16:52	11/24/24 19:54	EPA 3050B	1,6010D	MRP



Project Name: 50 RAYMOND AVE

Lab Number: L2467124

Project Number: 24.5088

Report Date: 11/25/24

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03 Batch: WG2000503-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Barium, Total	ND		mg/kg	0.400	0.070	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Copper, Total	ND		mg/kg	0.400	0.103	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Iron, Total	0.688	J	mg/kg	2.00	0.361	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Lead, Total	ND		mg/kg	2.00	0.107	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Potassium, Total	ND		mg/kg	100	5.76	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Silver, Total	ND		mg/kg	0.200	0.113	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Sodium, Total	ND		mg/kg	80.0	1.26	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/21/24 16:52	11/22/24 15:06	1,6010D	JMF

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03 Batch: WG2000504-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/22/24 00:40	11/22/24 07:49	1,7471B	SMV



Project Name: 50 RAYMOND AVE

Lab Number: L2467124

Project Number: 24.5088

Report Date: 11/25/24

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467124

Report Date: 11/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG2000503-2								
Aluminum, Total	107		-		80-120	-		
Antimony, Total	110		-		80-120	-		
Arsenic, Total	102		-		80-120	-		
Barium, Total	104		-		80-120	-		
Beryllium, Total	109		-		80-120	-		
Cadmium, Total	105		-		80-120	-		
Calcium, Total	105		-		80-120	-		
Chromium, Total	106		-		80-120	-		
Cobalt, Total	108		-		80-120	-		
Copper, Total	110		-		80-120	-		
Iron, Total	115		-		80-120	-		
Lead, Total	106		-		80-120	-		
Magnesium, Total	105		-		80-120	-		
Manganese, Total	107		-		80-120	-		
Nickel, Total	108		-		80-120	-		
Potassium, Total	108		-		80-120	-		
Selenium, Total	105		-		80-120	-		
Silver, Total	105		-		80-120	-		
Sodium, Total	108		-		80-120	-		
Thallium, Total	106		-		80-120	-		
Vanadium, Total	108		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467124

Report Date: 11/25/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG2000503-2					
Zinc, Total	107	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG2000504-2					
Mercury, Total	101	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467124

Report Date: 11/25/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG2000503-3 QC Sample: L2468181-01 Client ID: MS Sample												
Aluminum, Total	5080	189	5070	0	Q	-	-		75-125	-		20
Antimony, Total	ND	47.3	46.5	98		-	-		75-125	-		20
Arsenic, Total	3.41	11.4	14.8	100		-	-		75-125	-		20
Barium, Total	18.8	189	200	96		-	-		75-125	-		20
Beryllium, Total	0.254J	4.73	5.23	110		-	-		75-125	-		20
Cadmium, Total	0.119J	5.02	4.94	98		-	-		75-125	-		20
Calcium, Total	1580	947	2190	64	Q	-	-		75-125	-		20
Chromium, Total	9.76	18.9	28.4	98		-	-		75-125	-		20
Cobalt, Total	3.18	47.3	49.9	99		-	-		75-125	-		20
Copper, Total	12.0	23.7	39.0	114		-	-		75-125	-		20
Iron, Total	6690	94.7	7620	982	Q	-	-		75-125	-		20
Lead, Total	11.9	50.2	64.8	105		-	-		75-125	-		20
Magnesium, Total	1700	947	2600	95		-	-		75-125	-		20
Manganese, Total	74.9	47.3	128	112		-	-		75-125	-		20
Nickel, Total	12.2	47.3	59.4	100		-	-		75-125	-		20
Potassium, Total	1110	947	1930	87		-	-		75-125	-		20
Selenium, Total	0.273J	11.4	11.2	98		-	-		75-125	-		20
Silver, Total	ND	4.73	4.69	99		-	-		75-125	-		20
Sodium, Total	140J	947	1090	115		-	-		75-125	-		20
Thallium, Total	ND	11.4	11.4	100		-	-		75-125	-		20
Vanadium, Total	10.2	47.3	57.5	100		-	-		75-125	-		20

Matrix Spike Analysis Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467124

Report Date: 11/25/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03			QC Batch ID: WG2000503-3		QC Sample: L2468181-01		Client ID: MS Sample		
Zinc, Total	23.9	47.3	73.0	104	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 03			QC Batch ID: WG2000504-3		QC Sample: L2468181-01		Client ID: MS Sample		
Mercury, Total	ND	1.71	1.75	102	-	-	80-120	-	20

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2467124
Report Date: 11/25/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG2000503-4 QC Sample: L2468181-01 Client ID: DUP Sample						
Arsenic, Total	3.41	3.64	mg/kg	7		20
Barium, Total	18.8	19.7	mg/kg	5		20
Cadmium, Total	0.119J	0.201J	mg/kg	NC		20
Chromium, Total	9.76	10.8	mg/kg	10		20
Lead, Total	11.9	19.3	mg/kg	47	Q	20
Selenium, Total	0.273J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG2000504-4 QC Sample: L2468181-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS & MISCELLANEOUS

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2467124**Report Date:** 11/25/24**SAMPLE RESULTS****Lab ID:** L2467124-02**Client ID:** SB-08-10-15**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12605**Date Collected:** 11/14/24 11:00**Date Received:** 11/15/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.9		%	0.100	NA	1	-	11/17/24 16:40	121,2540G	MAW



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2467124**Report Date:** 11/25/24**SAMPLE RESULTS****Lab ID:** L2467124-03**Client ID:** SB-10-0-2.5**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12605**Date Collected:** 11/14/24 14:00**Date Received:** 11/15/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.9		%	0.100	NA	1	-	11/17/24 16:40	121,2540G	MAW



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2467124**Report Date:** 11/25/24**SAMPLE RESULTS****Lab ID:** L2467124-04**Client ID:** SB-10-12.5-14.5**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12605**Date Collected:** 11/14/24 14:05**Date Received:** 11/15/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.6		%	0.100	NA	1	-	11/17/24 16:40	121,2540G	MAW



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2467124**Report Date:** 11/25/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-04 QC Batch ID: WG1998603-1 QC Sample: L2466524-08 Client ID: DUP Sample						
Solids, Total	83.0	96.3	%	15		20

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Serial_No:11252416:49
Lab Number: L2467124
Report Date: 11/25/24

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2467124-01A	Glass 60ml unpreserved split	A	NA		3.5	Y	Absent		HOLD-METAL(180)
L2467124-01B	Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		HOLD-WETCHEM()
L2467124-02A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2467124-02B	Vial water preserved	A	NA		3.5	Y	Absent	16-NOV-24 01:06	NYTCL-8260HLW(14)
L2467124-02C	Vial water preserved	A	NA		3.5	Y	Absent	16-NOV-24 01:06	NYTCL-8260HLW(14)
L2467124-02D	Plastic 120ml unpreserved	A	NA		3.5	Y	Absent		TS(7)
L2467124-02E	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		NYCP51-PAH(14)
L2467124-03A	Glass 60ml unpreserved split	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2467124-03B	Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		TS(7)
L2467124-04A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2467124-04B	Vial water preserved	A	NA		3.5	Y	Absent	16-NOV-24 01:06	NYTCL-8260HLW(14)
L2467124-04C	Vial water preserved	A	NA		3.5	Y	Absent	16-NOV-24 01:06	NYTCL-8260HLW(14)
L2467124-04D	Plastic 120ml unpreserved	A	NA		3.5	Y	Absent		TS(7)
L2467124-04E	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		NYCP51-PAH(14)

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467124
Report Date: 11/25/24

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: DU Report with 'J' Qualifiers



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467124
Report Date: 11/25/24

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. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467124
Report Date: 11/25/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- 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: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467124
Report Date: 11/25/24

REFERENCES

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

LIMITATION OF LIABILITIES

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.



Certification Information

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

Westborough Facility

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

EPA 625.1: alpha-Terpineol

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

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

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

Mansfield Facility

SM 2540D: TSS.

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

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

Nonpotable Water: **EPA RSK-175 Dissolved Gases**

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, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

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

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

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

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

of

11/15/24

L2467124

Email: r.andujar-mcneil@chmuk

Rush (only if pre approved) ☐ # of Days:

☐ NYC Sewer Discharge

3

☐ Other: _____[illegible]

ts

E	A	A

11/15/84 1945

Chrissie 11/15/24 2110
mama 11/15 2340



ANALYTICAL REPORT

Lab Number:	L2467991
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12110
ATTN:	Rosaura Andujar-McNeil
Phone:	(518) 786-7400
Project Name:	50 RAYMOND AVE
Project Number:	24.5088
Report Date:	12/05/24

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

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



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2467991-01	MW-01_20241118	WATER	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/18/24 12:10	11/19/24
L2467991-02	MW-02_20241118	WATER	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/18/24 13:45	11/19/24
L2467991-03	MW-03_20241118	WATER	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/18/24 09:45	11/19/24
L2467991-04	MW-04_20241119	WATER	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/19/24 11:00	11/19/24
L2467991-05	MW-05_20241119	WATER	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/19/24 13:35	11/19/24
L2467991-06	SB-18-0-3	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/18/24 10:35	11/19/24
L2467991-07	SB-18-3-6	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/18/24 11:15	11/19/24
L2467991-08	SB-19-0-3	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/18/24 13:20	11/19/24
L2467991-09	SB-19-12-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/18/24 13:25	11/19/24

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

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

HOLD POLICY - For samples submitted on hold, 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: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Case Narrative (continued)

Report Submission

December 05, 2024: This final report includes the results of all requested analyses.

Additional requests will be reported separately.

November 26, 2024: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2467991-09: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

L2467991-09: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (216%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

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:



Cristin Walker

Title: Technical Director/Representative

Date: 12/05/24

ORGANICS

VOLATILES

Project Name: 50 RAYMOND AVE**Lab Number:** L2467991**Project Number:** 24.5088**Report Date:** 12/05/24**SAMPLE RESULTS**

Lab ID: L2467991-07

Date Collected: 11/18/24 11:15

Client ID: SB-18-3-6

Date Received: 11/19/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 11/25/24 15:36

Analyst: JIC

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.8	4.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.26	1
Chloroform	ND		ug/kg	2.6	0.25	1
Carbon tetrachloride	ND		ug/kg	1.8	0.41	1
1,2-Dichloropropane	ND		ug/kg	1.8	0.22	1
Dibromochloromethane	ND		ug/kg	1.8	0.25	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	0.40	J	ug/kg	0.88	0.35	1
Chlorobenzene	ND		ug/kg	0.88	0.22	1
Trichlorofluoromethane	ND		ug/kg	7.1	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.46	1
1,1,1-Trichloroethane	ND		ug/kg	0.88	0.30	1
Bromodichloromethane	ND		ug/kg	0.88	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.48	1
cis-1,3-Dichloropropene	ND		ug/kg	0.88	0.28	1
Bromoform	ND		ug/kg	7.1	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.88	0.29	1
Benzene	ND		ug/kg	0.88	0.29	1
Toluene	ND		ug/kg	1.8	0.96	1
Ethylbenzene	ND		ug/kg	1.8	0.25	1
Chloromethane	ND		ug/kg	7.1	1.6	1
Bromomethane	ND		ug/kg	3.5	1.0	1
Vinyl chloride	ND		ug/kg	1.8	0.59	1
Chloroethane	ND		ug/kg	3.5	0.80	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.24	1
Trichloroethene	ND		ug/kg	0.88	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	3.5	0.26	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2467991**Project Number:** 24.5088**Report Date:** 12/05/24**SAMPLE RESULTS****Lab ID:** L2467991-07**Date Collected:** 11/18/24 11:15**Client ID:** SB-18-3-6**Date Received:** 11/19/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	3.5	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	3.5	0.30	1
Methyl tert butyl ether	ND		ug/kg	3.5	0.36	1
p/m-Xylene	ND		ug/kg	3.5	0.99	1
o-Xylene	ND		ug/kg	1.8	0.52	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.31	1
Styrene	ND		ug/kg	1.8	0.35	1
Dichlorodifluoromethane	ND		ug/kg	18	1.6	1
Acetone	ND		ug/kg	18	8.5	1
Carbon disulfide	ND		ug/kg	18	8.0	1
2-Butanone	ND		ug/kg	18	3.9	1
4-Methyl-2-pentanone	ND		ug/kg	18	2.3	1
2-Hexanone	ND		ug/kg	18	2.1	1
Bromochloromethane	ND		ug/kg	3.5	0.36	1
1,2-Dibromoethane	ND		ug/kg	1.8	0.49	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	1.8	1
Isopropylbenzene	ND		ug/kg	1.8	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.5	0.57	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.5	0.48	1
Methyl Acetate	ND		ug/kg	7.1	1.7	1
Cyclohexane	ND		ug/kg	18	0.96	1
1,4-Dioxane	ND		ug/kg	140	62.	1
Freon-113	ND		ug/kg	7.1	1.2	1
Methyl cyclohexane	ND		ug/kg	7.1	1.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	94		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2467991**Project Number:** 24.5088**Report Date:** 12/05/24**SAMPLE RESULTS**

Lab ID: L2467991-09
 Client ID: SB-19-12-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/18/24 13:25
 Date Received: 11/19/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 11/25/24 16:01
 Analyst: JIC
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	370	170	1
1,1-Dichloroethane	ND		ug/kg	74	11.	1
Chloroform	ND		ug/kg	110	10.	1
Carbon tetrachloride	ND		ug/kg	74	17.	1
1,2-Dichloropropane	ND		ug/kg	74	9.2	1
Dibromochloromethane	ND		ug/kg	74	10.	1
1,1,2-Trichloroethane	ND		ug/kg	74	20.	1
Tetrachloroethene	ND		ug/kg	37	14.	1
Chlorobenzene	ND		ug/kg	37	9.4	1
Trichlorofluoromethane	ND		ug/kg	300	51.	1
1,2-Dichloroethane	ND		ug/kg	74	19.	1
1,1,1-Trichloroethane	ND		ug/kg	37	12.	1
Bromodichloromethane	ND		ug/kg	37	8.1	1
trans-1,3-Dichloropropene	ND		ug/kg	74	20.	1
cis-1,3-Dichloropropene	ND		ug/kg	37	12.	1
Bromoform	ND		ug/kg	300	18.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	37	12.	1
Benzene	ND		ug/kg	37	12.	1
Toluene	ND		ug/kg	74	40.	1
Ethylbenzene	29	J	ug/kg	74	10.	1
Chloromethane	ND		ug/kg	300	69.	1
Bromomethane	ND		ug/kg	150	43.	1
Vinyl chloride	ND		ug/kg	74	25.	1
Chloroethane	ND		ug/kg	150	33.	1
1,1-Dichloroethene	ND		ug/kg	74	18.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	10.	1
Trichloroethene	ND		ug/kg	37	10.	1
1,2-Dichlorobenzene	ND		ug/kg	150	11.	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2467991**Project Number:** 24.5088**Report Date:** 12/05/24**SAMPLE RESULTS****Lab ID:** L2467991-09**Date Collected:** 11/18/24 13:25**Client ID:** SB-19-12-15**Date Received:** 11/19/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	150	11.	1
1,4-Dichlorobenzene	ND		ug/kg	150	13.	1
Methyl tert butyl ether	ND		ug/kg	150	15.	1
p/m-Xylene	ND		ug/kg	150	41.	1
o-Xylene	ND		ug/kg	74	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	74	13.	1
Styrene	ND		ug/kg	74	14.	1
Dichlorodifluoromethane	ND		ug/kg	740	68.	1
Acetone	ND		ug/kg	740	360	1
Carbon disulfide	ND		ug/kg	740	340	1
2-Butanone	ND		ug/kg	740	160	1
4-Methyl-2-pentanone	ND		ug/kg	740	95.	1
2-Hexanone	ND		ug/kg	740	87.	1
Bromochloromethane	ND		ug/kg	150	15.	1
1,2-Dibromoethane	ND		ug/kg	74	21.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	220	74.	1
Isopropylbenzene	650		ug/kg	74	8.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	150	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	150	20.	1
Methyl Acetate	ND		ug/kg	300	70.	1
Cyclohexane	ND		ug/kg	740	40.	1
1,4-Dioxane	ND		ug/kg	5900	2600	1
Freon-113	ND		ug/kg	300	51.	1
Methyl cyclohexane	270	J	ug/kg	300	45.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	216	Q	70-130
Dibromofluoromethane	88		70-130

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/23/24 18:47
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2002092-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/23/24 18:47
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2002092-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/23/24 18:47
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2002092-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/25/24 10:05
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG2002155-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/25/24 10:05
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG2002155-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/25/24 10:05
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG2002155-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	94		70-130

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/25/24 10:05
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 09 Batch: WG2002156-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/25/24 10:05
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 09 Batch: WG2002156-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/25/24 10:05
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 09 Batch: WG2002156-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2002092-3 WG2002092-4								
Methylene chloride	99		100		70-130	1		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	96		100		63-130	4		20
1,1,2-Trichloroethane	90		94		70-130	4		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	110		120		70-130	9		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	95		100		70-130	5		20
cis-1,3-Dichloropropene	100		110		70-130	10		20
Bromoform	86		93		54-136	8		20
1,1,2,2-Tetrachloroethane	86		94		67-130	9		20
Benzene	110		110		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	97		99		64-130	2		20
Bromomethane	24	Q	32	Q	39-139	29	Q	20
Vinyl chloride	100		97		55-140	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2002092-3 WG2002092-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	100		98		61-145	2		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	79		87		63-130	10		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	82		75		36-147	9		20
Acetone	86		100		58-148	15		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	110		120		63-138	9		20
4-Methyl-2-pentanone	85		94		59-130	10		20
2-Hexanone	92		98		57-130	6		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	89		93		70-130	4		20
1,2-Dibromo-3-chloropropane	76		91		41-144	18		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	89		99		70-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2002092-3 WG2002092-4								
1,2,4-Trichlorobenzene	98		100		70-130	2		20
Methyl Acetate	100		110		70-130	10		20
Cyclohexane	120		110		70-130	9		20
1,4-Dioxane	82		94		56-162	14		20
Freon-113	100		98		70-130	2		20
Methyl cyclohexane	110		95		70-130	15		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		112		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	95		97		70-130
Dibromofluoromethane	102		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG2002155-3 WG2002155-4								
Methylene chloride	99		96		70-130	3		30
1,1-Dichloroethane	112		108		70-130	4		30
Chloroform	100		99		70-130	1		30
Carbon tetrachloride	105		102		70-130	3		30
1,2-Dichloropropane	113		110		70-130	3		30
Dibromochloromethane	101		101		70-130	0		30
1,1,2-Trichloroethane	104		104		70-130	0		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	99		97		70-130	2		30
Trichlorofluoromethane	106		103		70-139	3		30
1,2-Dichloroethane	106		102		70-130	4		30
1,1,1-Trichloroethane	108		103		70-130	5		30
Bromodichloromethane	104		102		70-130	2		30
trans-1,3-Dichloropropene	106		107		70-130	1		30
cis-1,3-Dichloropropene	106		104		70-130	2		30
Bromoform	98		98		70-130	0		30
1,1,2,2-Tetrachloroethane	110		107		70-130	3		30
Benzene	103		100		70-130	3		30
Toluene	102		100		70-130	2		30
Ethylbenzene	102		100		70-130	2		30
Chloromethane	130		122		52-130	6		30
Bromomethane	84		81		57-147	4		30
Vinyl chloride	104		102		67-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG2002155-3 WG2002155-4								
Chloroethane	103		102		50-151	1		30
1,1-Dichloroethene	99		98		65-135	1		30
trans-1,2-Dichloroethene	100		98		70-130	2		30
Trichloroethene	105		102		70-130	3		30
1,2-Dichlorobenzene	106		100		70-130	6		30
1,3-Dichlorobenzene	104		101		70-130	3		30
1,4-Dichlorobenzene	106		101		70-130	5		30
Methyl tert butyl ether	89		89		66-130	0		30
p/m-Xylene	101		99		70-130	2		30
o-Xylene	99		97		70-130	2		30
cis-1,2-Dichloroethene	98		96		70-130	2		30
Styrene	97		95		70-130	2		30
Dichlorodifluoromethane	111		106		30-146	5		30
Acetone	89		86		54-140	3		30
Carbon disulfide	96		92		59-130	4		30
2-Butanone	100		100		70-130	0		30
4-Methyl-2-pentanone	107		104		70-130	3		30
2-Hexanone	95		96		70-130	1		30
Bromochloromethane	95		96		70-130	1		30
1,2-Dibromoethane	104		106		70-130	2		30
1,2-Dibromo-3-chloropropane	97		95		68-130	2		30
Isopropylbenzene	111		105		70-130	6		30
1,2,3-Trichlorobenzene	113		110		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG2002155-3 WG2002155-4								
1,2,4-Trichlorobenzene	112		108		70-130	4		30
Methyl Acetate	96		96		51-146	0		30
Cyclohexane	124		119		59-142	4		30
1,4-Dioxane	96		96		65-136	0		30
Freon-113	103		99		50-139	4		30
Methyl cyclohexane	104		100		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		106		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	111		107		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG2002156-3 WG2002156-4								
Methylene chloride	99		96		70-130	3		30
1,1-Dichloroethane	112		108		70-130	4		30
Chloroform	100		99		70-130	1		30
Carbon tetrachloride	105		102		70-130	3		30
1,2-Dichloropropane	113		110		70-130	3		30
Dibromochloromethane	101		101		70-130	0		30
1,1,2-Trichloroethane	104		104		70-130	0		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	99		97		70-130	2		30
Trichlorofluoromethane	106		103		70-139	3		30
1,2-Dichloroethane	106		102		70-130	4		30
1,1,1-Trichloroethane	108		103		70-130	5		30
Bromodichloromethane	104		102		70-130	2		30
trans-1,3-Dichloropropene	106		107		70-130	1		30
cis-1,3-Dichloropropene	106		104		70-130	2		30
Bromoform	98		98		70-130	0		30
1,1,2,2-Tetrachloroethane	110		107		70-130	3		30
Benzene	103		100		70-130	3		30
Toluene	102		100		70-130	2		30
Ethylbenzene	102		100		70-130	2		30
Chloromethane	130		122		52-130	6		30
Bromomethane	84		81		57-147	4		30
Vinyl chloride	104		102		67-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG2002156-3 WG2002156-4								
Chloroethane	103		102		50-151	1		30
1,1-Dichloroethene	99		98		65-135	1		30
trans-1,2-Dichloroethene	100		98		70-130	2		30
Trichloroethene	105		102		70-130	3		30
1,2-Dichlorobenzene	106		100		70-130	6		30
1,3-Dichlorobenzene	104		101		70-130	3		30
1,4-Dichlorobenzene	106		101		70-130	5		30
Methyl tert butyl ether	89		89		66-130	0		30
p/m-Xylene	101		99		70-130	2		30
o-Xylene	99		97		70-130	2		30
cis-1,2-Dichloroethene	98		96		70-130	2		30
Styrene	97		95		70-130	2		30
Dichlorodifluoromethane	111		106		30-146	5		30
Acetone	89		86		54-140	3		30
Carbon disulfide	96		92		59-130	4		30
2-Butanone	100		100		70-130	0		30
4-Methyl-2-pentanone	107		104		70-130	3		30
2-Hexanone	95		96		70-130	1		30
Bromochloromethane	95		96		70-130	1		30
1,2-Dibromoethane	104		106		70-130	2		30
1,2-Dibromo-3-chloropropane	97		95		68-130	2		30
Isopropylbenzene	111		105		70-130	6		30
1,2,3-Trichlorobenzene	113		110		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG2002156-3 WG2002156-4								
1,2,4-Trichlorobenzene	112		108		70-130	4		30
Methyl Acetate	96		96		51-146	0		30
Cyclohexane	124		119		59-142	4		30
1,4-Dioxane	96		96		65-136	0		30
Freon-113	103		99		50-139	4		30
Methyl cyclohexane	104		100		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		106		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	110		107		70-130
Dibromofluoromethane	97		97		70-130

SEMIVOLATILES

Project Name: 50 RAYMOND AVE**Lab Number:** L2467991**Project Number:** 24.5088**Report Date:** 12/05/24**SAMPLE RESULTS**

Lab ID: L2467991-07

Date Collected: 11/18/24 11:15

Client ID: SB-18-3-6

Date Received: 11/19/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270E

Extraction Date: 11/24/24 09:26

Analytical Date: 11/25/24 14:41

Analyst: SLR

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Fluoranthene	ND		ug/kg	100	20.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	60		30-120
4-Terphenyl-d14	67		18-120

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2467991**Report Date:** 12/05/24**SAMPLE RESULTS**

Lab ID: L2467991-09
 Client ID: SB-19-12-15
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/18/24 13:25
 Date Received: 11/19/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 11/25/24 14:59
 Analyst: SLR
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 11/24/24 09:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1000		ug/kg	150	19.	1
Fluoranthene	120		ug/kg	110	21.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	44	J	ug/kg	110	19.	1
Acenaphthylene	420		ug/kg	150	28.	1
Anthracene	380		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	1700		ug/kg	180	18.	1
Phenanthrene	3100		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	470		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	56		30-120
4-Terphenyl-d14	59		18-120

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 11/24/24 13:09
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/23/24 21:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG2001558-1					
Acenaphthene	ND		ug/l	0.10	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	117		23-120
2-Fluorobiphenyl	90		15-120
4-Terphenyl-d14	107		41-149

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/25/24 10:11
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 11/24/24 09:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG2001643-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	99	19.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	65		18-120



Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG2001558-2 WG2001558-3								
Acenaphthene	83		76		40-140	9		40
Fluoranthene	96		88		40-140	9		40
Benzo(a)anthracene	95		85		40-140	11		40
Benzo(a)pyrene	114		102		40-140	11		40
Benzo(b)fluoranthene	110		98		40-140	12		40
Benzo(k)fluoranthene	105		96		40-140	9		40
Chrysene	100		90		40-140	11		40
Acenaphthylene	82		75		40-140	9		40
Anthracene	98		88		40-140	11		40
Benzo(ghi)perylene	114		101		40-140	12		40
Fluorene	88		80		40-140	10		40
Phenanthrene	94		84		40-140	11		40
Dibenzo(a,h)anthracene	120		106		40-140	12		40
Indeno(1,2,3-cd)pyrene	125		111		40-140	12		40
Pyrene	96		87		40-140	10		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	120		109		23-120
2-Fluorobiphenyl	89		80		15-120
4-Terphenyl-d14	102		93		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG2001643-2 WG2001643-3								
Acenaphthene	60		61		31-137	2		50
Fluoranthene	57		58		40-140	2		50
Benzo(a)anthracene	58		59		40-140	2		50
Benzo(a)pyrene	61		61		40-140	0		50
Benzo(b)fluoranthene	59		58		40-140	2		50
Benzo(k)fluoranthene	55		58		40-140	5		50
Chrysene	57		58		40-140	2		50
Acenaphthylene	66		67		40-140	2		50
Anthracene	63		63		40-140	0		50
Benzo(ghi)perylene	67		69		40-140	3		50
Fluorene	60		61		40-140	2		50
Phenanthrene	60		61		40-140	2		50
Dibenzo(a,h)anthracene	64		67		40-140	5		50
Indeno(1,2,3-cd)pyrene	64		66		40-140	3		50
Pyrene	56		58		35-142	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		61		25-120
Phenol-d6	64		63		10-120
Nitrobenzene-d5	63		63		23-120
2-Fluorobiphenyl	59		60		30-120
2,4,6-Tribromophenol	63		64		10-136
4-Terphenyl-d14	56		57		18-120

INORGANICS & MISCELLANEOUS

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2467991**Report Date:** 12/05/24**SAMPLE RESULTS****Lab ID:** L2467991-07**Client ID:** SB-18-3-6**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/18/24 11:15**Date Received:** 11/19/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.8		%	0.100	NA	1	-	11/22/24 17:58	121,2540G	SJB



Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2467991**Report Date:** 12/05/24**SAMPLE RESULTS****Lab ID:** L2467991-09**Client ID:** SB-19-12-15**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/18/24 13:25**Date Received:** 11/19/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	11/22/24 17:58	121,2540G	SJB



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2467991
Report Date: 12/05/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07,09 QC Batch ID: WG2001225-1 QC Sample: L2466924-01 Client ID: DUP Sample						
Solids, Total	97.0	96.4	%	1		20

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Serial_No:12052409:33
Lab Number: L2467991
Report Date: 12/05/24

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2467991-01A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-01B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-01C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-01D	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-01E	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-02A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-02B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-02C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-02D	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-02E	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-03A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-03B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-03C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-03D	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-03E	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-04A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-04B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-04C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-04D	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-04E	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-05A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-05B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-05C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Serial_No:12052409:33
Lab Number: L2467991
Report Date: 12/05/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2467991-05D	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-05E	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-06A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		HOLD-WETCHEM(),HOLD-METAL(180)
L2467991-07A	Vial MeOH preserved	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2467991-07B	Vial water preserved	A	NA		4.3	Y	Absent	20-NOV-24 09:03	NYTCL-8260HLW(14)
L2467991-07C	Vial water preserved	A	NA		4.3	Y	Absent	20-NOV-24 09:03	NYTCL-8260HLW(14)
L2467991-07D	Plastic 120ml unpreserved	A	NA		4.3	Y	Absent		TS(7)
L2467991-07E	Glass 120ml/4oz unpreserved	A	NA		4.3	Y	Absent		NYCP51-PAH(14)
L2467991-08A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		HOLD-WETCHEM(),HOLD-METAL(180)
L2467991-09A	Vial MeOH preserved	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2467991-09B	Vial water preserved	A	NA		4.3	Y	Absent	20-NOV-24 09:03	NYTCL-8260HLW(14)
L2467991-09C	Vial water preserved	A	NA		4.3	Y	Absent	20-NOV-24 09:03	NYTCL-8260HLW(14)
L2467991-09D	Plastic 120ml unpreserved	A	NA		4.3	Y	Absent		TS(7)
L2467991-09E	Glass 120ml/4oz unpreserved	A	NA		4.3	Y	Absent		NYCP51-PAH(14)

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

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: DU Report with 'J' Qualifiers



Project Name: 50 RAYMOND AVE
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Lab Number: L2467991
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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- 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: 50 RAYMOND AVE**Lab Number:** L2467991**Project Number:** 24.5088**Report Date:** 12/05/24

REFERENCES

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

LIMITATION OF LIABILITIES

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.



Certification Information

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

Westborough Facility

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

EPA 625.1: alpha-Terpineol

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

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

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

Mansfield Facility

SM 2540D: TSS.

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

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

Nonpotable Water: **EPA RSK-175 Dissolved Gases**

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, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

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

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

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

L2467991 26NOV24

CTMALE



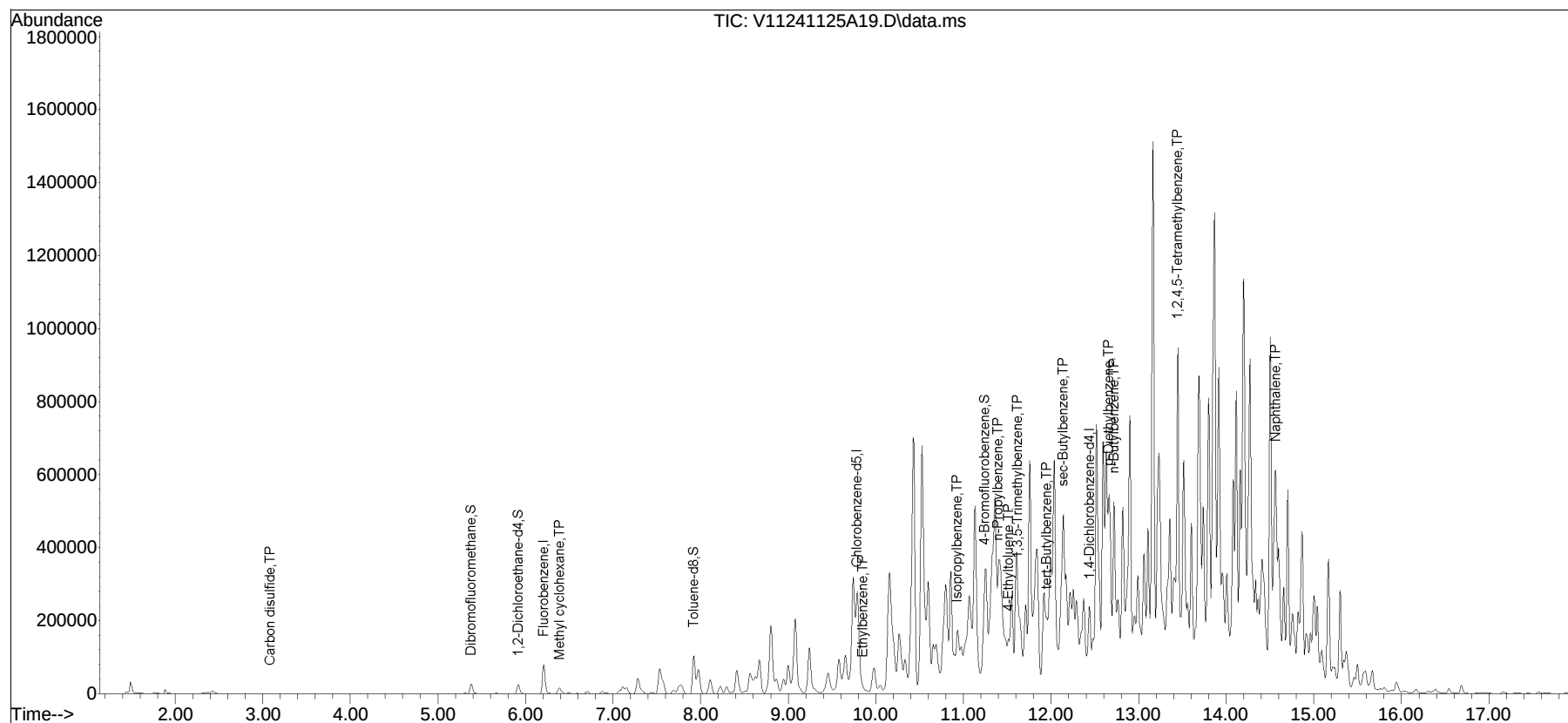
NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>11/20/24</u>		Serial No:12052409:33 L2467991 26NOV24 CTMALE 	
		Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288					
Client Information Client <u>C.T. Male Associates</u> Address: <u>50 Century Hill Drive</u> <u>Latham NY 12110</u> Phone: <u>518-786-7450</u> Fax: Email: <u>r.andujar-mcnill@ctmale.com</u>		Project Information Project Name: <u>50 Raymond Ave</u> Project Location: <u>50 Raymond Ave Roughkeepsie NY</u> Project # <u>24.5058</u> (Use Project name as Project #) ☐ Project Manager: <u>Rosaura Andujar - McNill</u> ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Deliverables ☐ ASP-A ☒ ASP-B ☒ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #			
Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:		Other project specific requirements/comments: <u>Please see sample specific comments for samples to be placed on HOLD.</u> Please specify Metals or TAL.		ANALYSIS TCL VOCs CP-SI SVOC TAL Metals		Sample Filtration ☐ Done ☐ Lab to do ☐ Lab to do (Please Specify below)	
These samples have been previously analyzed by Alpha ☐									
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials	
67991-01		MW-01-20241118		11/18 12:10		W		ML	
02		MW-02-20241118		11/18 13:45		W		ML	
03		MW-03-20241118		11/18 9:45		W		ML	
04		MW-04-20241119		11/19 11:00		W		ER	
05		MW-05-20241119		11/19 13:35		W		ER	
06		SB-18-0-3		11/18 10:35		S		ER	
07		SB-18-3-6		11/18 11:15		S		ER	
08		SB-19-0-3		11/18 13:20		S		ER	
09		SB-19-12-15		11/18 13:25		S		ER	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		J A A F A A	
Relinquished By:		Date/Time		Received By:		Date/Time		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
[Signature]		11/19/24 2:10		[Signature]		11-19-24 3:10			
[Signature]		11-19-24		[Signature]		11/19/24 1822			
[Signature]		11/19/24		[Signature]		11/19/24 2300			
[Signature]		11/20/24 0300		[Signature]		11/20/24 03:00			

Quantitation Report (QT Reviewed)

Data Path : K:\VOA111\2024\241125A\
Data File : V11241125A19.D
Acq On : 25 Nov 2024 04:01 pm
Operator : VOA111:JIC
Sample : l2467991-09,31h,4.11,5,0.100,,a,30.15,34.76,0
Misc : WG2002156,ICAL21553
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 26 09:09:12 2024
Quant Method : K:\VOA111\2024\241125A\V111_241001N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 02 10:11:55 2024
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox25A01.D•



Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2469861

Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG2005195-3 WG2005195-4								
Methylene chloride	94		93		70-130	1		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	92		92		70-130	0		20
Carbon tetrachloride	89		83		63-132	7		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	89		92		63-130	3		20
1,1,2-Trichloroethane	96		97		70-130	1		20
Tetrachloroethene	87		88		70-130	1		20
Chlorobenzene	91		91		75-130	0		20
Trichlorofluoromethane	93		88		62-150	6		20
1,2-Dichloroethane	95		99		70-130	4		20
1,1,1-Trichloroethane	90		87		67-130	3		20
Bromodichloromethane	94		95		67-130	1		20
trans-1,3-Dichloropropene	96		98		70-130	2		20
cis-1,3-Dichloropropene	93		92		70-130	1		20
Bromoform	85		84		54-136	1		20
1,1,2,2-Tetrachloroethane	92		96		67-130	4		20
Benzene	95		95		70-130	0		20
Toluene	94		94		70-130	0		20
Ethylbenzene	92		92		70-130	0		20
Chloromethane	98		94		64-130	4		20
Bromomethane	72		71		39-139	1		20
Vinyl chloride	100		97		55-140	3		20



ANALYTICAL REPORT

Lab Number:	L2469861
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12110
ATTN:	Rosaura Andujar-McNeil
Phone:	(518) 786-7400
Project Name:	50 RAYMOND AVE
Project Number:	24.5088
Report Date:	12/12/24

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

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

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



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2469861-01	SB-20-0-4	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/25/24 10:57	11/26/24
L2469861-02	SB-20-12-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/25/24 11:00	11/26/24
L2469861-03	MW-08_20241126	WATER	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/25/24 13:15	11/26/24



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Case Narrative

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

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

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

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

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

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

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Case Narrative (continued)

Report Submission

December 12, 2024: This final report includes the results of all requested analyses.

Additional requests will be reported separately.

December 05, 2024: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

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:



Cristin Walker

Title: Technical Director/Representative

Date: 12/12/24

ORGANICS

VOLATILES

Project Name: 50 RAYMOND AVE**Lab Number:** L2469861**Project Number:** 24.5088**Report Date:** 12/12/24**SAMPLE RESULTS**

Lab ID: L2469861-02

Date Collected: 11/25/24 11:00

Client ID: SB-20-12-15

Date Received: 11/26/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 12/05/24 11:55

Analyst: AJK

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.7	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	ND		ug/kg	0.67	0.26	1
Chlorobenzene	ND		ug/kg	0.67	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.93	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.67	0.22	1
Bromodichloromethane	ND		ug/kg	0.67	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	0.21	1
Bromoform	ND		ug/kg	5.3	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	0.22	1
Benzene	ND		ug/kg	0.67	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.7	0.78	1
Vinyl chloride	ND		ug/kg	1.3	0.45	1
Chloroethane	ND		ug/kg	2.7	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1
Trichloroethene	0.41	J	ug/kg	0.67	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1



Project Name: 50 RAYMOND AVE**Lab Number:** L2469861**Project Number:** 24.5088**Report Date:** 12/12/24**SAMPLE RESULTS****Lab ID:** L2469861-02**Date Collected:** 11/25/24 11:00**Client ID:** SB-20-12-15**Date Received:** 11/26/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	0.54	J	ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.75	1
o-Xylene	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	0.68	J	ug/kg	1.3	0.23	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	11	J	ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.1	1
2-Butanone	ND		ug/kg	13	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.36	1
Methyl Acetate	ND		ug/kg	5.3	1.3	1
Cyclohexane	ND		ug/kg	13	0.73	1
1,4-Dioxane	ND		ug/kg	110	47.	1
Freon-113	ND		ug/kg	5.3	0.93	1
Methyl cyclohexane	ND		ug/kg	5.3	0.81	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	111		70-130



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 12/04/24 08:28
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG2005195-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 12/04/24 08:28
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG2005195-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/04/24 08:28
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG2005195-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 12/05/24 10:12
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG2005757-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 12/05/24 10:12
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG2005757-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/05/24 10:12
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG2005757-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2469861

Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG2005195-3 WG2005195-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		95		61-145	5		20
trans-1,2-Dichloroethene	92		87		70-130	6		20
Trichloroethene	96		88		70-130	9		20
1,2-Dichlorobenzene	89		90		70-130	1		20
1,3-Dichlorobenzene	91		91		70-130	0		20
1,4-Dichlorobenzene	91		92		70-130	1		20
Methyl tert butyl ether	88		84		63-130	5		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	96		92		70-130	4		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	86		83		36-147	4		20
Acetone	90		87		58-148	3		20
Carbon disulfide	100		95		51-130	5		20
2-Butanone	100		120		63-138	18		20
4-Methyl-2-pentanone	89		91		59-130	2		20
2-Hexanone	79		85		57-130	7		20
Bromochloromethane	90		93		70-130	3		20
1,2-Dibromoethane	88		89		70-130	1		20
1,2-Dibromo-3-chloropropane	78		82		41-144	5		20
Isopropylbenzene	90		90		70-130	0		20
1,2,3-Trichlorobenzene	80		85		70-130	6		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2469861

Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG2005195-3 WG2005195-4								
1,2,4-Trichlorobenzene	83		86		70-130	4		20
Methyl Acetate	98		100		70-130	2		20
Cyclohexane	94		92		70-130	2		20
1,4-Dioxane	96		98		56-162	2		20
Freon-113	94		90		70-130	4		20
Methyl cyclohexane	88		89		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		110		70-130
Toluene-d8	104		105		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	104		102		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2469861

Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG2005757-3 WG2005757-4								
Methylene chloride	102		104		70-130	2		30
1,1-Dichloroethane	114		115		70-130	1		30
Chloroform	104		101		70-130	3		30
Carbon tetrachloride	104		101		70-130	3		30
1,2-Dichloropropane	118		116		70-130	2		30
Dibromochloromethane	112		111		70-130	1		30
1,1,2-Trichloroethane	113		112		70-130	1		30
Tetrachloroethene	128		123		70-130	4		30
Chlorobenzene	116		113		70-130	3		30
Trichlorofluoromethane	80		71		70-139	12		30
1,2-Dichloroethane	97		97		70-130	0		30
1,1,1-Trichloroethane	108		104		70-130	4		30
Bromodichloromethane	100		98		70-130	2		30
trans-1,3-Dichloropropene	110		108		70-130	2		30
cis-1,3-Dichloropropene	108		109		70-130	1		30
Bromoform	104		104		70-130	0		30
1,1,2,2-Tetrachloroethane	112		113		70-130	1		30
Benzene	113		110		70-130	3		30
Toluene	102		98		70-130	4		30
Ethylbenzene	115		111		70-130	4		30
Chloromethane	140	Q	129		52-130	8		30
Bromomethane	91		86		57-147	6		30
Vinyl chloride	116		107		67-130	8		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2469861

Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG2005757-3 WG2005757-4								
Chloroethane	82		76		50-151	8		30
1,1-Dichloroethene	79		70		65-135	12		30
trans-1,2-Dichloroethene	112		114		70-130	2		30
Trichloroethene	111		109		70-130	2		30
1,2-Dichlorobenzene	117		113		70-130	3		30
1,3-Dichlorobenzene	118		113		70-130	4		30
1,4-Dichlorobenzene	117		111		70-130	5		30
Methyl tert butyl ether	83		88		66-130	6		30
p/m-Xylene	119		114		70-130	4		30
o-Xylene	114		110		70-130	4		30
cis-1,2-Dichloroethene	106		107		70-130	1		30
Styrene	114		110		70-130	4		30
Dichlorodifluoromethane	120		114		30-146	5		30
Acetone	104		103		54-140	1		30
Carbon disulfide	77		68		59-130	12		30
2-Butanone	102		103		70-130	1		30
4-Methyl-2-pentanone	107		112		70-130	5		30
2-Hexanone	93		98		70-130	5		30
Bromochloromethane	108		107		70-130	1		30
1,2-Dibromoethane	115		115		70-130	0		30
1,2-Dibromo-3-chloropropane	102		105		68-130	3		30
Isopropylbenzene	120		115		70-130	4		30
1,2,3-Trichlorobenzene	121		117		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2469861

Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG2005757-3 WG2005757-4								
1,2,4-Trichlorobenzene	126		121		70-130	4		30
Methyl Acetate	102		111		51-146	8		30
Cyclohexane	142		137		59-142	4		30
1,4-Dioxane	92		97		65-136	5		30
Freon-113	81		72		50-139	12		30
Methyl cyclohexane	118		115		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	112		112		70-130
4-Bromofluorobenzene	108		106		70-130
Dibromofluoromethane	98		98		70-130

SEMIVOLATILES

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2469861**Report Date:** 12/12/24**SAMPLE RESULTS**

Lab ID: L2469861-02

Client ID: SB-20-12-15

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/25/24 11:00

Date Received: 11/26/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8270E

Analytical Date: 12/03/24 17:35

Analyst: JG

Percent Solids: 85%

Extraction Method: EPA 3546

Extraction Date: 12/02/24 09:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Fluoranthene	ND		ug/kg	120	22.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	77		30-120
4-Terphenyl-d14	54		18-120

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 12/01/24 17:40
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 11/30/24 19:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03 Batch: WG2003627-1					
Acenaphthene	ND		ug/l	0.10	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	72		15-120
4-Terphenyl-d14	98		41-149



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 12/03/24 12:34
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 12/02/24 09:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2003962-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	100	19.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	27.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	71		18-120



Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2469861

Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03 Batch: WG2003627-2 WG2003627-3								
Acenaphthene	80		72		40-140	11		40
Fluoranthene	104		94		40-140	10		40
Benzo(a)anthracene	100		90		40-140	11		40
Benzo(a)pyrene	103		94		40-140	9		40
Benzo(b)fluoranthene	100		88		40-140	13		40
Benzo(k)fluoranthene	102		96		40-140	6		40
Chrysene	104		96		40-140	8		40
Acenaphthylene	76		71		40-140	7		40
Anthracene	93		83		40-140	11		40
Benzo(ghi)perylene	97		89		40-140	9		40
Fluorene	88		79		40-140	11		40
Phenanthrene	95		84		40-140	12		40
Dibenzo(a,h)anthracene	99		90		40-140	10		40
Indeno(1,2,3-cd)pyrene	103		95		40-140	8		40
Pyrene	104		95		40-140	9		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	83		75		23-120
2-Fluorobiphenyl	77		71		15-120
4-Terphenyl-d14	99		91		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2469861

Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2003962-2 WG2003962-3								
Acenaphthene	66		77		31-137	15		50
Fluoranthene	68		77		40-140	12		50
Benzo(a)anthracene	68		80		40-140	16		50
Benzo(a)pyrene	68		81		40-140	17		50
Benzo(b)fluoranthene	69		82		40-140	17		50
Benzo(k)fluoranthene	61		75		40-140	21		50
Chrysene	65		75		40-140	14		50
Acenaphthylene	79		89		40-140	12		50
Anthracene	71		82		40-140	14		50
Benzo(ghi)perylene	69		78		40-140	12		50
Fluorene	70		82		40-140	16		50
Phenanthrene	66		79		40-140	18		50
Dibenzo(a,h)anthracene	69		80		40-140	15		50
Indeno(1,2,3-cd)pyrene	68		82		40-140	19		50
Pyrene	69		78		35-142	12		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		90		25-120
Phenol-d6	76		87		10-120
Nitrobenzene-d5	62		73		23-120
2-Fluorobiphenyl	60		69		30-120
2,4,6-Tribromophenol	67		83		10-136
4-Terphenyl-d14	67		77		18-120

INORGANICS & MISCELLANEOUS

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2469861**Report Date:** 12/12/24**SAMPLE RESULTS****Lab ID:** L2469861-02**Client ID:** SB-20-12-15**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/25/24 11:00**Date Received:** 11/26/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.8		%	0.100	NA	1	-	12/03/24 13:11	121,2540G	ROI



Lab Duplicate Analysis*Batch Quality Control***Project Name:** 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2469861**Report Date:** 12/12/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG2004487-1 QC Sample: L2469861-02 Client ID: SB-20-12-15						
Solids, Total	84.8	82.7	%	3		20

Project Name: 50 RAYMOND AVE**Lab Number:** L2469861**Project Number:** 24.5088**Report Date:** 12/12/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2469861-01A	Glass 60ml unpreserved split	A	NA		3.7	Y	Absent		HOLD-METAL(180)
L2469861-01B	Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		HOLD-WETCHEM()
L2469861-02A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2469861-02B	Vial water preserved	A	NA		3.7	Y	Absent	27-NOV-24 07:31	NYTCL-8260HLW(14)
L2469861-02C	Vial water preserved	A	NA		3.7	Y	Absent	27-NOV-24 07:31	NYTCL-8260HLW(14)
L2469861-02D	Plastic 120ml unpreserved	A	NA		3.7	Y	Absent		TS(7)
L2469861-02E	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		NYCP51-PAH(14)
L2469861-03A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2469861-03B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2469861-03C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2469861-03D	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2469861-03E	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYCP51-PAHSIM-RVT(7)

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

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: DU Report with 'J' Qualifiers



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

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. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- 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: 50 RAYMOND AVE
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Report Date: 12/12/24

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**Revision **23**Published Date: **12/09/2024**Page **1** of **1****Certification Information**

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Nonpotable Water: **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Nonpotable Water: **EPA RSK-175 Dissolved Gases**

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, 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 Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 11/27/24		ALPHA Job # L2409861																																																																																																																																																																																																																																																																																																								
Client Information Client: C.T. Male Associates Address: 50 Century Hill Dr. Latham, NY, 12110 Phone: 518-786-7400 Fax: NA Email: r.andujar-meneil@ctmale.com		Project Information Project Name: 50 Raymond Ave Project Location: 50 Raymond Ave Poughkeepsie NY 12603 Project # 24.5088 (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☒ EQulS (1 File) ☐ EQulS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #																																																																																																																																																																																																																																																																																																										
		Project Manager: Rosaura Andujar-McNeil ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																																																																																																																																																																																																																																																																										
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: Please view sample specific comments for samples to be placed on HOLD. Please specify Metals or TAL.				ANALYSIS TOL VOCs CP-51 SVOCs TAL Metals		Sample Filtration ☐ Done ☐ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below)		Total Bottles																																																																																																																																																																																																																																																																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">TOL VOCs</th> <th rowspan="2">CP-51 SVOCs</th> <th rowspan="2">TAL Metals</th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>69861-01</td> <td>SB-20-0-4</td> <td>11/25</td> <td>10:57</td> <td>Soil</td> <td>ER</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>02</td> <td>SB-20-12-15</td> <td>11/25</td> <td>11:00</td> <td>Soil</td> <td>ER</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>03</td> <td>MW-08-20241126</td> <td>11/26</td> <td>13:15</td> <td>W</td> <td>ER</td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	TOL VOCs	CP-51 SVOCs	TAL Metals												Date	Time	69861-01	SB-20-0-4	11/25	10:57	Soil	ER																02	SB-20-12-15	11/25	11:00	Soil	ER	✓	✓	✓													03	MW-08-20241126	11/26	13:15	W	ER	✓	✓																																																																																																																																																																																																																																							
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APPENDIX H

Laboratory Analysis Report for Groundwater



ANALYTICAL REPORT

Lab Number:	L2467991
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12110
ATTN:	Rosaura Andujar-McNeil
Phone:	(518) 786-7400
Project Name:	50 RAYMOND AVE
Project Number:	24.5088
Report Date:	12/05/24

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



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2467991-01	MW-01_20241118	WATER	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/18/24 12:10	11/19/24
L2467991-02	MW-02_20241118	WATER	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/18/24 13:45	11/19/24
L2467991-03	MW-03_20241118	WATER	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/18/24 09:45	11/19/24
L2467991-04	MW-04_20241119	WATER	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/19/24 11:00	11/19/24
L2467991-05	MW-05_20241119	WATER	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/19/24 13:35	11/19/24
L2467991-06	SB-18-0-3	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/18/24 10:35	11/19/24
L2467991-07	SB-18-3-6	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/18/24 11:15	11/19/24
L2467991-08	SB-19-0-3	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/18/24 13:20	11/19/24
L2467991-09	SB-19-12-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/18/24 13:25	11/19/24

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

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

HOLD POLICY - For samples submitted on hold, 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: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Case Narrative (continued)

Report Submission

December 05, 2024: This final report includes the results of all requested analyses.

Additional requests will be reported separately.

November 26, 2024: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2467991-09: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

L2467991-09: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (216%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

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:



Cristin Walker

Title: Technical Director/Representative

Date: 12/05/24

ORGANICS

VOLATILES

Project Name: 50 RAYMOND AVE**Lab Number:** L2467991**Project Number:** 24.5088**Report Date:** 12/05/24**SAMPLE RESULTS****Lab ID:** L2467991-01**Date Collected:** 11/18/24 12:10**Client ID:** MW-01_20241118**Date Received:** 11/19/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water**Analytical Method:** 1,8260D**Analytical Date:** 11/24/24 01:35**Analyst:** MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.2	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	15		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	2.8		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 50 RAYMOND AVE

Lab Number: L2467991

Project Number: 24.5088

Report Date: 12/05/24

SAMPLE RESULTS

Lab ID: L2467991-01

Date Collected: 11/18/24 12:10

Client ID: MW-01_20241118

Date Received: 11/19/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	106		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2467991**Project Number:** 24.5088**Report Date:** 12/05/24**SAMPLE RESULTS**

Lab ID: L2467991-02

Date Collected: 11/18/24 13:45

Client ID: MW-02_20241118

Date Received: 11/19/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 11/24/24 01:58

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.4	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	11		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 50 RAYMOND AVE

Lab Number: L2467991

Project Number: 24.5088

Report Date: 12/05/24

SAMPLE RESULTS

Lab ID: L2467991-02

Date Collected: 11/18/24 13:45

Client ID: MW-02_20241118

Date Received: 11/19/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	105		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2467991**Project Number:** 24.5088**Report Date:** 12/05/24**SAMPLE RESULTS**

Lab ID: L2467991-03

Date Collected: 11/18/24 09:45

Client ID: MW-03_20241118

Date Received: 11/19/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 11/24/24 02:22

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.1	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	13		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2467991**Project Number:** 24.5088**Report Date:** 12/05/24**SAMPLE RESULTS****Lab ID:** L2467991-03**Date Collected:** 11/18/24 09:45**Client ID:** MW-03_20241118**Date Received:** 11/19/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	105		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2467991**Project Number:** 24.5088**Report Date:** 12/05/24**SAMPLE RESULTS**

Lab ID: L2467991-04

Date Collected: 11/19/24 11:00

Client ID: MW-04_20241119

Date Received: 11/19/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 11/24/24 02:46

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	11		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 50 RAYMOND AVE

Lab Number: L2467991

Project Number: 24.5088

Report Date: 12/05/24

SAMPLE RESULTS

Lab ID: L2467991-04

Date Collected: 11/19/24 11:00

Client ID: MW-04_20241119

Date Received: 11/19/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2467991**Project Number:** 24.5088**Report Date:** 12/05/24**SAMPLE RESULTS**

Lab ID: L2467991-05

Date Collected: 11/19/24 13:35

Client ID: MW-05_20241119

Date Received: 11/19/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 11/24/24 03:10

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	9.8		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.18	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 50 RAYMOND AVE

Lab Number: L2467991

Project Number: 24.5088

Report Date: 12/05/24

SAMPLE RESULTS

Lab ID: L2467991-05

Date Collected: 11/19/24 13:35

Client ID: MW-05_20241119

Date Received: 11/19/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/23/24 18:47
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2002092-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/23/24 18:47
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2002092-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/23/24 18:47
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2002092-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/25/24 10:05
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG2002155-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/25/24 10:05
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG2002155-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/25/24 10:05
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG2002155-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	94		70-130

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/25/24 10:05
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 09 Batch: WG2002156-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/25/24 10:05
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 09 Batch: WG2002156-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/25/24 10:05
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 09 Batch: WG2002156-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2002092-3 WG2002092-4								
Methylene chloride	99		100		70-130	1		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	96		100		63-130	4		20
1,1,2-Trichloroethane	90		94		70-130	4		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	110		120		70-130	9		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	95		100		70-130	5		20
cis-1,3-Dichloropropene	100		110		70-130	10		20
Bromoform	86		93		54-136	8		20
1,1,2,2-Tetrachloroethane	86		94		67-130	9		20
Benzene	110		110		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	97		99		64-130	2		20
Bromomethane	24	Q	32	Q	39-139	29	Q	20
Vinyl chloride	100		97		55-140	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2002092-3 WG2002092-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	100		98		61-145	2		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	79		87		63-130	10		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	82		75		36-147	9		20
Acetone	86		100		58-148	15		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	110		120		63-138	9		20
4-Methyl-2-pentanone	85		94		59-130	10		20
2-Hexanone	92		98		57-130	6		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	89		93		70-130	4		20
1,2-Dibromo-3-chloropropane	76		91		41-144	18		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	89		99		70-130	11		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2002092-3 WG2002092-4								
1,2,4-Trichlorobenzene	98		100		70-130	2		20
Methyl Acetate	100		110		70-130	10		20
Cyclohexane	120		110		70-130	9		20
1,4-Dioxane	82		94		56-162	14		20
Freon-113	100		98		70-130	2		20
Methyl cyclohexane	110		95		70-130	15		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		112		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	95		97		70-130
Dibromofluoromethane	102		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG2002155-3 WG2002155-4								
Methylene chloride	99		96		70-130	3		30
1,1-Dichloroethane	112		108		70-130	4		30
Chloroform	100		99		70-130	1		30
Carbon tetrachloride	105		102		70-130	3		30
1,2-Dichloropropane	113		110		70-130	3		30
Dibromochloromethane	101		101		70-130	0		30
1,1,2-Trichloroethane	104		104		70-130	0		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	99		97		70-130	2		30
Trichlorofluoromethane	106		103		70-139	3		30
1,2-Dichloroethane	106		102		70-130	4		30
1,1,1-Trichloroethane	108		103		70-130	5		30
Bromodichloromethane	104		102		70-130	2		30
trans-1,3-Dichloropropene	106		107		70-130	1		30
cis-1,3-Dichloropropene	106		104		70-130	2		30
Bromoform	98		98		70-130	0		30
1,1,2,2-Tetrachloroethane	110		107		70-130	3		30
Benzene	103		100		70-130	3		30
Toluene	102		100		70-130	2		30
Ethylbenzene	102		100		70-130	2		30
Chloromethane	130		122		52-130	6		30
Bromomethane	84		81		57-147	4		30
Vinyl chloride	104		102		67-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG2002155-3 WG2002155-4								
Chloroethane	103		102		50-151	1		30
1,1-Dichloroethene	99		98		65-135	1		30
trans-1,2-Dichloroethene	100		98		70-130	2		30
Trichloroethene	105		102		70-130	3		30
1,2-Dichlorobenzene	106		100		70-130	6		30
1,3-Dichlorobenzene	104		101		70-130	3		30
1,4-Dichlorobenzene	106		101		70-130	5		30
Methyl tert butyl ether	89		89		66-130	0		30
p/m-Xylene	101		99		70-130	2		30
o-Xylene	99		97		70-130	2		30
cis-1,2-Dichloroethene	98		96		70-130	2		30
Styrene	97		95		70-130	2		30
Dichlorodifluoromethane	111		106		30-146	5		30
Acetone	89		86		54-140	3		30
Carbon disulfide	96		92		59-130	4		30
2-Butanone	100		100		70-130	0		30
4-Methyl-2-pentanone	107		104		70-130	3		30
2-Hexanone	95		96		70-130	1		30
Bromochloromethane	95		96		70-130	1		30
1,2-Dibromoethane	104		106		70-130	2		30
1,2-Dibromo-3-chloropropane	97		95		68-130	2		30
Isopropylbenzene	111		105		70-130	6		30
1,2,3-Trichlorobenzene	113		110		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG2002155-3 WG2002155-4								
1,2,4-Trichlorobenzene	112		108		70-130	4		30
Methyl Acetate	96		96		51-146	0		30
Cyclohexane	124		119		59-142	4		30
1,4-Dioxane	96		96		65-136	0		30
Freon-113	103		99		50-139	4		30
Methyl cyclohexane	104		100		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		106		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	111		107		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG2002156-3 WG2002156-4								
Methylene chloride	99		96		70-130	3		30
1,1-Dichloroethane	112		108		70-130	4		30
Chloroform	100		99		70-130	1		30
Carbon tetrachloride	105		102		70-130	3		30
1,2-Dichloropropane	113		110		70-130	3		30
Dibromochloromethane	101		101		70-130	0		30
1,1,2-Trichloroethane	104		104		70-130	0		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	99		97		70-130	2		30
Trichlorofluoromethane	106		103		70-139	3		30
1,2-Dichloroethane	106		102		70-130	4		30
1,1,1-Trichloroethane	108		103		70-130	5		30
Bromodichloromethane	104		102		70-130	2		30
trans-1,3-Dichloropropene	106		107		70-130	1		30
cis-1,3-Dichloropropene	106		104		70-130	2		30
Bromoform	98		98		70-130	0		30
1,1,2,2-Tetrachloroethane	110		107		70-130	3		30
Benzene	103		100		70-130	3		30
Toluene	102		100		70-130	2		30
Ethylbenzene	102		100		70-130	2		30
Chloromethane	130		122		52-130	6		30
Bromomethane	84		81		57-147	4		30
Vinyl chloride	104		102		67-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG2002156-3 WG2002156-4								
Chloroethane	103		102		50-151	1		30
1,1-Dichloroethene	99		98		65-135	1		30
trans-1,2-Dichloroethene	100		98		70-130	2		30
Trichloroethene	105		102		70-130	3		30
1,2-Dichlorobenzene	106		100		70-130	6		30
1,3-Dichlorobenzene	104		101		70-130	3		30
1,4-Dichlorobenzene	106		101		70-130	5		30
Methyl tert butyl ether	89		89		66-130	0		30
p/m-Xylene	101		99		70-130	2		30
o-Xylene	99		97		70-130	2		30
cis-1,2-Dichloroethene	98		96		70-130	2		30
Styrene	97		95		70-130	2		30
Dichlorodifluoromethane	111		106		30-146	5		30
Acetone	89		86		54-140	3		30
Carbon disulfide	96		92		59-130	4		30
2-Butanone	100		100		70-130	0		30
4-Methyl-2-pentanone	107		104		70-130	3		30
2-Hexanone	95		96		70-130	1		30
Bromochloromethane	95		96		70-130	1		30
1,2-Dibromoethane	104		106		70-130	2		30
1,2-Dibromo-3-chloropropane	97		95		68-130	2		30
Isopropylbenzene	111		105		70-130	6		30
1,2,3-Trichlorobenzene	113		110		70-130	3		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG2002156-3 WG2002156-4								
1,2,4-Trichlorobenzene	112		108		70-130	4		30
Methyl Acetate	96		96		51-146	0		30
Cyclohexane	124		119		59-142	4		30
1,4-Dioxane	96		96		65-136	0		30
Freon-113	103		99		50-139	4		30
Methyl cyclohexane	104		100		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		106		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	110		107		70-130
Dibromofluoromethane	97		97		70-130

SEMIVOLATILES

Project Name: 50 RAYMOND AVE**Lab Number:** L2467991**Project Number:** 24.5088**Report Date:** 12/05/24**SAMPLE RESULTS**

Lab ID: L2467991-01

Date Collected: 11/18/24 12:10

Client ID: MW-01_20241118

Date Received: 11/19/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270E-SIM

Extraction Date: 11/23/24 21:22

Analytical Date: 11/24/24 20:47

Analyst: DV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	113		23-120
2-Fluorobiphenyl	88		15-120
4-Terphenyl-d14	100		41-149

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2467991**Report Date:** 12/05/24**SAMPLE RESULTS**

Lab ID: L2467991-02
 Client ID: MW-02_20241118
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/18/24 13:45
 Date Received: 11/19/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E-SIM
 Analytical Date: 11/24/24 21:04
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 11/23/24 21:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	120		23-120
2-Fluorobiphenyl	91		15-120
4-Terphenyl-d14	100		41-149

Project Name: 50 RAYMOND AVE**Lab Number:** L2467991**Project Number:** 24.5088**Report Date:** 12/05/24**SAMPLE RESULTS**

Lab ID: L2467991-03
 Client ID: MW-03_20241118
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/18/24 09:45
 Date Received: 11/19/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E-SIM
 Analytical Date: 11/24/24 21:20
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 11/23/24 21:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	120		23-120
2-Fluorobiphenyl	93		15-120
4-Terphenyl-d14	103		41-149

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2467991**Report Date:** 12/05/24**SAMPLE RESULTS**

Lab ID: L2467991-04
 Client ID: MW-04_20241119
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/19/24 11:00
 Date Received: 11/19/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E-SIM
 Analytical Date: 11/24/24 21:37
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 11/23/24 21:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	129	Q	23-120
2-Fluorobiphenyl	92		15-120
4-Terphenyl-d14	104		41-149

Project Name: 50 RAYMOND AVE**Lab Number:** L2467991**Project Number:** 24.5088**Report Date:** 12/05/24**SAMPLE RESULTS**

Lab ID: L2467991-05
 Client ID: MW-05_20241119
 Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/19/24 13:35
 Date Received: 11/19/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E-SIM
 Analytical Date: 11/24/24 21:55
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 11/23/24 21:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.08	J	ug/l	0.10	0.02	1
Fluoranthene	0.07	J	ug/l	0.10	0.03	1
Benzo(a)anthracene	0.07	J	ug/l	0.10	0.03	1
Benzo(a)pyrene	0.05	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.05	J	ug/l	0.10	0.03	1
Benzo(k)fluoranthene	0.05	J	ug/l	0.10	0.03	1
Chrysene	0.05	J	ug/l	0.10	0.03	1
Acenaphthylene	0.06	J	ug/l	0.10	0.02	1
Anthracene	0.06	J	ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.02	1
Fluorene	0.09	J	ug/l	0.10	0.03	1
Phenanthrene	0.07	J	ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	0.04	J	ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.05	J	ug/l	0.10	0.02	1
Pyrene	0.08	J	ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	117		23-120
2-Fluorobiphenyl	91		15-120
4-Terphenyl-d14	107		41-149

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 11/24/24 13:09
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/23/24 21:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG2001558-1					
Acenaphthene	ND		ug/l	0.10	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	117		23-120
2-Fluorobiphenyl	90		15-120
4-Terphenyl-d14	107		41-149

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2467991
Report Date: 12/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/25/24 10:11
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 11/24/24 09:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG2001643-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	99	19.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	65		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG2001558-2 WG2001558-3								
Acenaphthene	83		76		40-140	9		40
Fluoranthene	96		88		40-140	9		40
Benzo(a)anthracene	95		85		40-140	11		40
Benzo(a)pyrene	114		102		40-140	11		40
Benzo(b)fluoranthene	110		98		40-140	12		40
Benzo(k)fluoranthene	105		96		40-140	9		40
Chrysene	100		90		40-140	11		40
Acenaphthylene	82		75		40-140	9		40
Anthracene	98		88		40-140	11		40
Benzo(ghi)perylene	114		101		40-140	12		40
Fluorene	88		80		40-140	10		40
Phenanthrene	94		84		40-140	11		40
Dibenzo(a,h)anthracene	120		106		40-140	12		40
Indeno(1,2,3-cd)pyrene	125		111		40-140	12		40
Pyrene	96		87		40-140	10		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	120		109		23-120
2-Fluorobiphenyl	89		80		15-120
4-Terphenyl-d14	102		93		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2467991

Report Date: 12/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG2001643-2 WG2001643-3								
Acenaphthene	60		61		31-137	2		50
Fluoranthene	57		58		40-140	2		50
Benzo(a)anthracene	58		59		40-140	2		50
Benzo(a)pyrene	61		61		40-140	0		50
Benzo(b)fluoranthene	59		58		40-140	2		50
Benzo(k)fluoranthene	55		58		40-140	5		50
Chrysene	57		58		40-140	2		50
Acenaphthylene	66		67		40-140	2		50
Anthracene	63		63		40-140	0		50
Benzo(ghi)perylene	67		69		40-140	3		50
Fluorene	60		61		40-140	2		50
Phenanthrene	60		61		40-140	2		50
Dibenzo(a,h)anthracene	64		67		40-140	5		50
Indeno(1,2,3-cd)pyrene	64		66		40-140	3		50
Pyrene	56		58		35-142	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		61		25-120
Phenol-d6	64		63		10-120
Nitrobenzene-d5	63		63		23-120
2-Fluorobiphenyl	59		60		30-120
2,4,6-Tribromophenol	63		64		10-136
4-Terphenyl-d14	56		57		18-120

INORGANICS & MISCELLANEOUS

Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2467991**Report Date:** 12/05/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07,09 QC Batch ID: WG2001225-1 QC Sample: L2466924-01 Client ID: DUP Sample						
Solids, Total	97.0	96.4	%	1		20

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Serial_No:12052409:33
Lab Number: L2467991
Report Date: 12/05/24

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2467991-01A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-01B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-01C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-01D	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-01E	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-02A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-02B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-02C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-02D	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-02E	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-03A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-03B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-03C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-03D	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-03E	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-04A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-04B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-04C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-04D	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-04E	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-05A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-05B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2467991-05C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Serial_No:12052409:33
Lab Number: L2467991
Report Date: 12/05/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2467991-05D	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-05E	Amber 100ml unpreserved	A	6	6	4.3	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2467991-06A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		HOLD-WETCHEM(),HOLD-METAL(180)
L2467991-07A	Vial MeOH preserved	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2467991-07B	Vial water preserved	A	NA		4.3	Y	Absent	20-NOV-24 09:03	NYTCL-8260HLW(14)
L2467991-07C	Vial water preserved	A	NA		4.3	Y	Absent	20-NOV-24 09:03	NYTCL-8260HLW(14)
L2467991-07D	Plastic 120ml unpreserved	A	NA		4.3	Y	Absent		TS(7)
L2467991-07E	Glass 120ml/4oz unpreserved	A	NA		4.3	Y	Absent		NYCP51-PAH(14)
L2467991-08A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		HOLD-WETCHEM(),HOLD-METAL(180)
L2467991-09A	Vial MeOH preserved	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2467991-09B	Vial water preserved	A	NA		4.3	Y	Absent	20-NOV-24 09:03	NYTCL-8260HLW(14)
L2467991-09C	Vial water preserved	A	NA		4.3	Y	Absent	20-NOV-24 09:03	NYTCL-8260HLW(14)
L2467991-09D	Plastic 120ml unpreserved	A	NA		4.3	Y	Absent		TS(7)
L2467991-09E	Glass 120ml/4oz unpreserved	A	NA		4.3	Y	Absent		NYCP51-PAH(14)

Project Name: 50 RAYMOND AVE
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GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- 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: 50 RAYMOND AVE

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REFERENCES

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

LIMITATION OF LIABILITIES

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.



Certification Information

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

Westborough Facility

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

EPA 625.1: alpha-Terpineol

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

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

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

Mansfield Facility

SM 2540D: TSS.

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

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

Nonpotable Water: **EPA RSK-175 Dissolved Gases**

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, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

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

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

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

L2467991 26NOV24

CTMALE



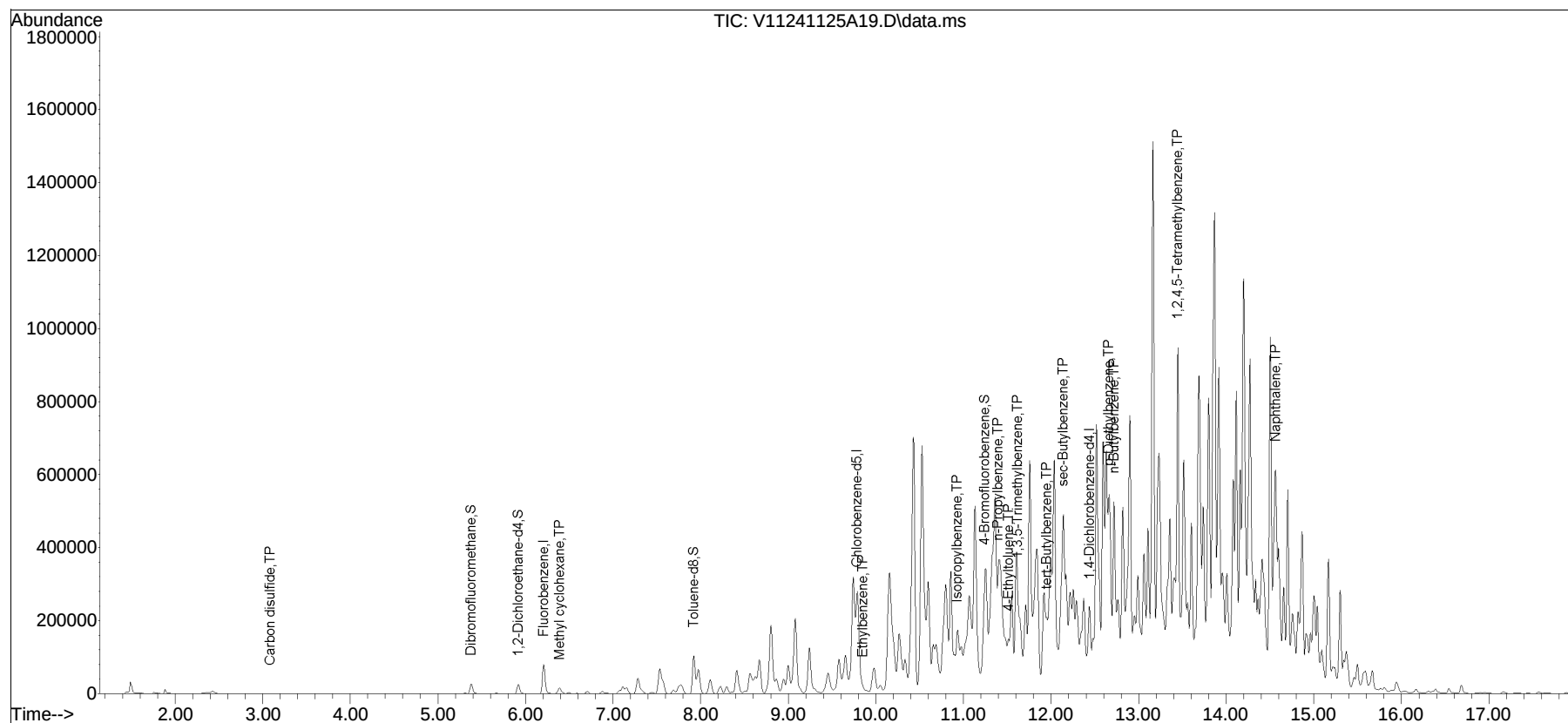
NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>11/20/24</u>		Serial No:12052409:33 L2467991 26NOV24 CTMALE 	
		Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288					
Client Information Client <u>C.T. Male Associates</u> Address: <u>50 Century Hill Drive</u> <u>Latham NY 12110</u> Phone: <u>518-786-7450</u> Fax: Email: <u>r.andujar-mcnill@ctmale.com</u>		Project Information Project Name: <u>50 Raymond Ave</u> Project Location: <u>50 Raymond Ave Roughkeepsie NY</u> Project # <u>24.5058</u> (Use Project name as Project #) ☐ Project Manager: <u>Rosaura Andujar - McNill</u> ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Deliverables ☐ ASP-A ☒ ASP-B ☒ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #			
Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:		Other project specific requirements/comments: <u>Please see sample specific comments for samples to be placed on HOLD.</u> Please specify Metals or TAL.		ANALYSIS TCL VOCs CP-SI SVOC TAL Metals		Sample Filtration ☐ Done ☐ Lab to do ☐ Lab to do (Please Specify below)	
These samples have been previously analyzed by Alpha ☐									
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials	
67991-01		MW-01-20241118		11/18 12:10		W		ML	
02		MW-02-20241118		11/18 13:45		W		ML	
03		MW-03-20241118		11/18 9:45		W		ML	
04		MW-04-20241119		11/19 11:00		W		ER	
05		MW-05-20241119		11/19 13:35		W		ER	
06		SB-18-0-3		11/18 10:35		S		ER	
07		SB-18-3-6		11/18 11:15		S		ER	
08		SB-19-0-3		11/18 13:20		S		ER	
09		SB-19-12-15		11/18 13:25		S		ER	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		J A A F A A	
Relinquished By:		Date/Time		Received By:		Date/Time		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
[Signature]		11/19/24 2:10		[Signature]		11-19-24 3:10			
[Signature]		11-19-24		[Signature]		11/19/24 1822			
[Signature]		11/19/24		[Signature]		11/19/24 2300			
[Signature]		11/20/24 0300		[Signature]		11/20/24 03:00			

Quantitation Report (QT Reviewed)

Data Path : K:\VOA111\2024\241125A\
Data File : V11241125A19.D
Acq On : 25 Nov 2024 04:01 pm
Operator : VOA111:JIC
Sample : l2467991-09,31h,4.11,5,0.100,,a,30.15,34.76,0
Misc : WG2002156,ICAL21553
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 26 09:09:12 2024
Quant Method : K:\VOA111\2024\241125A\V111_241001N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 02 10:11:55 2024
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox25A01.D•





ANALYTICAL REPORT

Lab Number:	L2468741
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12110
ATTN:	Rosaura Andujar-McNeil
Phone:	(518) 786-7400
Project Name:	50 RAYMOND AVE
Project Number:	24.5088
Report Date:	12/02/24

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

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



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2468741
Report Date: 12/02/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2468741-01	MW-06_20241120	WATER	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/20/24 12:35	11/21/24
L2468741-02	MW-07_20241120	WATER	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/20/24 11:50	11/21/24

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2468741
Report Date: 12/02/24

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

HOLD POLICY - For samples submitted on hold, 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: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2468741
Report Date: 12/02/24

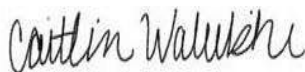
Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

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:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 12/02/24

ORGANICS

VOLATILES

Project Name: 50 RAYMOND AVE**Lab Number:** L2468741**Project Number:** 24.5088**Report Date:** 12/02/24**SAMPLE RESULTS**

Lab ID: L2468741-01

Date Collected: 11/20/24 12:35

Client ID: MW-06_20241120

Date Received: 11/21/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 11/28/24 06:34

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.55		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 50 RAYMOND AVE**Lab Number:** L2468741**Project Number:** 24.5088**Report Date:** 12/02/24**SAMPLE RESULTS****Lab ID:** L2468741-01**Date Collected:** 11/20/24 12:35**Client ID:** MW-06_20241120**Date Received:** 11/21/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Project Name: 50 RAYMOND AVE**Lab Number:** L2468741**Project Number:** 24.5088**Report Date:** 12/02/24**SAMPLE RESULTS**

Lab ID: L2468741-02

Date Collected: 11/20/24 11:50

Client ID: MW-07_20241120

Date Received: 11/21/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 11/28/24 06:10

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	3.5		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.49	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 50 RAYMOND AVE

Lab Number: L2468741

Project Number: 24.5088

Report Date: 12/02/24

SAMPLE RESULTS

Lab ID: L2468741-02

Date Collected: 11/20/24 11:50

Client ID: MW-07_20241120

Date Received: 11/21/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	1.4	J	ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	103		70-130

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2468741
Report Date: 12/02/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/27/24 23:38
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG2004032-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2468741
Report Date: 12/02/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 11/27/24 23:38
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG2004032-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2468741
Report Date: 12/02/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/27/24 23:38
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG2004032-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2468741

Report Date: 12/02/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG2004032-3 WG2004032-4								
Methylene chloride	96		97		70-130	1		20
1,1-Dichloroethane	110		120		70-130	9		20
Chloroform	98		100		70-130	2		20
Carbon tetrachloride	98		100		63-132	2		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	93		96		63-130	3		20
1,1,2-Trichloroethane	89		91		70-130	2		20
Tetrachloroethene	96		100		70-130	4		20
Chlorobenzene	99		100		75-130	1		20
Trichlorofluoromethane	94		98		62-150	4		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	99		100		67-130	1		20
Bromodichloromethane	95		98		67-130	3		20
trans-1,3-Dichloropropene	91		96		70-130	5		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	88		90		54-136	2		20
1,1,2,2-Tetrachloroethane	92		90		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	96		100		70-130	4		20
Ethylbenzene	94		98		70-130	4		20
Chloromethane	100		110		64-130	10		20
Bromomethane	24	Q	25	Q	39-139	4		20
Vinyl chloride	93		97		55-140	4		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2468741

Report Date: 12/02/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG2004032-3 WG2004032-4								
Chloroethane	67		85		55-138	24	Q	20
1,1-Dichloroethene	95		96		61-145	1		20
trans-1,2-Dichloroethene	98		100		70-130	2		20
Trichloroethene	97		100		70-130	3		20
1,2-Dichlorobenzene	97		98		70-130	1		20
1,3-Dichlorobenzene	97		99		70-130	2		20
1,4-Dichlorobenzene	96		98		70-130	2		20
Methyl tert butyl ether	83		86		63-130	4		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	99		100		70-130	1		20
Styrene	90		95		70-130	5		20
Dichlorodifluoromethane	88		93		36-147	6		20
Acetone	110		110		58-148	0		20
Carbon disulfide	99		100		51-130	1		20
2-Butanone	120		120		63-138	0		20
4-Methyl-2-pentanone	94		95		59-130	1		20
2-Hexanone	100		100		57-130	0		20
Bromochloromethane	99		100		70-130	1		20
1,2-Dibromoethane	91		90		70-130	1		20
1,2-Dibromo-3-chloropropane	89		85		41-144	5		20
Isopropylbenzene	92		96		70-130	4		20
1,2,3-Trichlorobenzene	93		98		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2468741

Report Date: 12/02/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG2004032-3 WG2004032-4								
1,2,4-Trichlorobenzene	96		100		70-130	4		20
Methyl Acetate	110		110		70-130	0		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	94		88		56-162	7		20
Freon-113	96		99		70-130	3		20
Methyl cyclohexane	91		95		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		107		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	103		101		70-130

SEMIVOLATILES

Project Name: 50 RAYMOND AVE**Lab Number:** L2468741**Project Number:** 24.5088**Report Date:** 12/02/24**SAMPLE RESULTS**

Lab ID: L2468741-01

Date Collected: 11/20/24 12:35

Client ID: MW-06_20241120

Date Received: 11/21/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270E-SIM

Extraction Date: 11/26/24 16:56

Analytical Date: 11/30/24 22:22

Analyst: JJW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	135	Q	23-120
2-Fluorobiphenyl	109		15-120
4-Terphenyl-d14	108		41-149

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2468741**Report Date:** 12/02/24**SAMPLE RESULTS****Lab ID:** L2468741-02**Client ID:** MW-07_20241120**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Date Collected:** 11/20/24 11:50**Date Received:** 11/21/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water**Analytical Method:** 1,8270E-SIM**Analytical Date:** 11/30/24 22:39**Analyst:** JJW**Extraction Method:** EPA 3510C**Extraction Date:** 11/26/24 16:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	3.9		ug/l	0.10	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	0.70		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	5.6		ug/l	0.10	0.03	1
Phenanthrene	1.9		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	0.15		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	113		23-120
2-Fluorobiphenyl	94		15-120
4-Terphenyl-d14	94		41-149

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2468741
Report Date: 12/02/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 11/30/24 21:14
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/26/24 16:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG2002753-1					
Acenaphthene	ND		ug/l	0.10	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	85		15-120
4-Terphenyl-d14	78		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2468741

Report Date: 12/02/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG2002753-2 WG2002753-3								
Acenaphthene	84		94		40-140	11		40
Fluoranthene	97		102		40-140	5		40
Benzo(a)anthracene	91		97		40-140	6		40
Benzo(a)pyrene	112		119		40-140	6		40
Benzo(b)fluoranthene	109		118		40-140	8		40
Benzo(k)fluoranthene	104		108		40-140	4		40
Chrysene	97		104		40-140	7		40
Acenaphthylene	89		98		40-140	10		40
Anthracene	96		103		40-140	7		40
Benzo(ghi)perylene	115		120		40-140	4		40
Fluorene	91		100		40-140	9		40
Phenanthrene	92		98		40-140	6		40
Dibenzo(a,h)anthracene	118		126		40-140	7		40
Indeno(1,2,3-cd)pyrene	129		136		40-140	5		40
Pyrene	96		102		40-140	6		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	111		120		23-120
2-Fluorobiphenyl	88		95		15-120
4-Terphenyl-d14	100		105		41-149

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Serial_No:12022411:57
Lab Number: L2468741
Report Date: 12/02/24

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2468741-01A	Vial HCl preserved	A	NA		6.0	Y	Absent		NYTCL-8260(14)
L2468741-01B	Vial HCl preserved	A	NA		6.0	Y	Absent		NYTCL-8260(14)
L2468741-01C	Vial HCl preserved	A	NA		6.0	Y	Absent		NYTCL-8260(14)
L2468741-01D	Amber 100ml unpreserved	A	7	7	6.0	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2468741-01E	Amber 100ml unpreserved	A	7	7	6.0	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2468741-02A	Vial HCl preserved	A	NA		6.0	Y	Absent		NYTCL-8260(14)
L2468741-02B	Vial HCl preserved	A	NA		6.0	Y	Absent		NYTCL-8260(14)
L2468741-02C	Vial HCl preserved	A	NA		6.0	Y	Absent		NYTCL-8260(14)
L2468741-02D	Amber 100ml unpreserved	A	7	7	6.0	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2468741-02E	Amber 100ml unpreserved	A	7	7	6.0	Y	Absent		NYCP51-PAHSIM-RVT(7)

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2468741
Report Date: 12/02/24

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: DU Report with 'J' Qualifiers



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2468741
Report Date: 12/02/24

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. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2468741
Report Date: 12/02/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- 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: 50 RAYMOND AVE**Lab Number:** L2468741**Project Number:** 24.5088**Report Date:** 12/02/24

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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.



Certification Information

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

Westborough Facility

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

EPA 625.1: alpha-Terpineol

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

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

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

Mansfield Facility

SM 2540D: TSS.

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

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

Nonpotable Water: **EPA RSK-175 Dissolved Gases**

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, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

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

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

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



ANALYTICAL REPORT

Lab Number:	L2469861
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12110
ATTN:	Rosaura Andujar-McNeil
Phone:	(518) 786-7400
Project Name:	50 RAYMOND AVE
Project Number:	24.5088
Report Date:	12/12/24

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

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

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



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2469861-01	SB-20-0-4	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/25/24 10:57	11/26/24
L2469861-02	SB-20-12-15	SOIL	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/25/24 11:00	11/26/24
L2469861-03	MW-08_20241126	WATER	50 RAYMOND AVE, POUGHKEEPSIE, NY 12603	11/25/24 13:15	11/26/24

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Case Narrative

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

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

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

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

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

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

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Case Narrative (continued)

Report Submission

December 12, 2024: This final report includes the results of all requested analyses.

Additional requests will be reported separately.

December 05, 2024: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

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:



Cristin Walker

Title: Technical Director/Representative

Date: 12/12/24

ORGANICS

VOLATILES

Project Name: 50 RAYMOND AVE**Lab Number:** L2469861**Project Number:** 24.5088**Report Date:** 12/12/24**SAMPLE RESULTS**

Lab ID: L2469861-03

Date Collected: 11/25/24 13:15

Client ID: MW-08_20241126

Date Received: 11/26/24

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 12/04/24 11:19

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	7.0		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.88		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1



Project Name: 50 RAYMOND AVE**Lab Number:** L2469861**Project Number:** 24.5088**Report Date:** 12/12/24**SAMPLE RESULTS****Lab ID:** L2469861-03**Date Collected:** 11/25/24 13:15**Client ID:** MW-08_20241126**Date Received:** 11/26/24**Sample Location:** 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/04/24 08:28
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG2005195-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 12/04/24 08:28
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG2005195-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/04/24 08:28
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG2005195-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 12/05/24 10:12
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG2005757-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 12/05/24 10:12
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG2005757-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/05/24 10:12
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG2005757-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2469861

Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG2005195-3 WG2005195-4								
Methylene chloride	94		93		70-130	1		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	92		92		70-130	0		20
Carbon tetrachloride	89		83		63-132	7		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	89		92		63-130	3		20
1,1,2-Trichloroethane	96		97		70-130	1		20
Tetrachloroethene	87		88		70-130	1		20
Chlorobenzene	91		91		75-130	0		20
Trichlorofluoromethane	93		88		62-150	6		20
1,2-Dichloroethane	95		99		70-130	4		20
1,1,1-Trichloroethane	90		87		67-130	3		20
Bromodichloromethane	94		95		67-130	1		20
trans-1,3-Dichloropropene	96		98		70-130	2		20
cis-1,3-Dichloropropene	93		92		70-130	1		20
Bromoform	85		84		54-136	1		20
1,1,2,2-Tetrachloroethane	92		96		67-130	4		20
Benzene	95		95		70-130	0		20
Toluene	94		94		70-130	0		20
Ethylbenzene	92		92		70-130	0		20
Chloromethane	98		94		64-130	4		20
Bromomethane	72		71		39-139	1		20
Vinyl chloride	100		97		55-140	3		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2469861

Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG2005195-3 WG2005195-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		95		61-145	5		20
trans-1,2-Dichloroethene	92		87		70-130	6		20
Trichloroethene	96		88		70-130	9		20
1,2-Dichlorobenzene	89		90		70-130	1		20
1,3-Dichlorobenzene	91		91		70-130	0		20
1,4-Dichlorobenzene	91		92		70-130	1		20
Methyl tert butyl ether	88		84		63-130	5		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	96		92		70-130	4		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	86		83		36-147	4		20
Acetone	90		87		58-148	3		20
Carbon disulfide	100		95		51-130	5		20
2-Butanone	100		120		63-138	18		20
4-Methyl-2-pentanone	89		91		59-130	2		20
2-Hexanone	79		85		57-130	7		20
Bromochloromethane	90		93		70-130	3		20
1,2-Dibromoethane	88		89		70-130	1		20
1,2-Dibromo-3-chloropropane	78		82		41-144	5		20
Isopropylbenzene	90		90		70-130	0		20
1,2,3-Trichlorobenzene	80		85		70-130	6		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2469861

Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG2005195-3 WG2005195-4								
1,2,4-Trichlorobenzene	83		86		70-130	4		20
Methyl Acetate	98		100		70-130	2		20
Cyclohexane	94		92		70-130	2		20
1,4-Dioxane	96		98		56-162	2		20
Freon-113	94		90		70-130	4		20
Methyl cyclohexane	88		89		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		110		70-130
Toluene-d8	104		105		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	104		102		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2469861

Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG2005757-3 WG2005757-4								
Methylene chloride	102		104		70-130	2		30
1,1-Dichloroethane	114		115		70-130	1		30
Chloroform	104		101		70-130	3		30
Carbon tetrachloride	104		101		70-130	3		30
1,2-Dichloropropane	118		116		70-130	2		30
Dibromochloromethane	112		111		70-130	1		30
1,1,2-Trichloroethane	113		112		70-130	1		30
Tetrachloroethene	128		123		70-130	4		30
Chlorobenzene	116		113		70-130	3		30
Trichlorofluoromethane	80		71		70-139	12		30
1,2-Dichloroethane	97		97		70-130	0		30
1,1,1-Trichloroethane	108		104		70-130	4		30
Bromodichloromethane	100		98		70-130	2		30
trans-1,3-Dichloropropene	110		108		70-130	2		30
cis-1,3-Dichloropropene	108		109		70-130	1		30
Bromoform	104		104		70-130	0		30
1,1,2,2-Tetrachloroethane	112		113		70-130	1		30
Benzene	113		110		70-130	3		30
Toluene	102		98		70-130	4		30
Ethylbenzene	115		111		70-130	4		30
Chloromethane	140	Q	129		52-130	8		30
Bromomethane	91		86		57-147	6		30
Vinyl chloride	116		107		67-130	8		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2469861

Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG2005757-3 WG2005757-4								
Chloroethane	82		76		50-151	8		30
1,1-Dichloroethene	79		70		65-135	12		30
trans-1,2-Dichloroethene	112		114		70-130	2		30
Trichloroethene	111		109		70-130	2		30
1,2-Dichlorobenzene	117		113		70-130	3		30
1,3-Dichlorobenzene	118		113		70-130	4		30
1,4-Dichlorobenzene	117		111		70-130	5		30
Methyl tert butyl ether	83		88		66-130	6		30
p/m-Xylene	119		114		70-130	4		30
o-Xylene	114		110		70-130	4		30
cis-1,2-Dichloroethene	106		107		70-130	1		30
Styrene	114		110		70-130	4		30
Dichlorodifluoromethane	120		114		30-146	5		30
Acetone	104		103		54-140	1		30
Carbon disulfide	77		68		59-130	12		30
2-Butanone	102		103		70-130	1		30
4-Methyl-2-pentanone	107		112		70-130	5		30
2-Hexanone	93		98		70-130	5		30
Bromochloromethane	108		107		70-130	1		30
1,2-Dibromoethane	115		115		70-130	0		30
1,2-Dibromo-3-chloropropane	102		105		68-130	3		30
Isopropylbenzene	120		115		70-130	4		30
1,2,3-Trichlorobenzene	121		117		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2469861

Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG2005757-3 WG2005757-4								
1,2,4-Trichlorobenzene	126		121		70-130	4		30
Methyl Acetate	102		111		51-146	8		30
Cyclohexane	142		137		59-142	4		30
1,4-Dioxane	92		97		65-136	5		30
Freon-113	81		72		50-139	12		30
Methyl cyclohexane	118		115		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	112		112		70-130
4-Bromofluorobenzene	108		106		70-130
Dibromofluoromethane	98		98		70-130

SEMIVOLATILES

Project Name: 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2469861**Report Date:** 12/12/24**SAMPLE RESULTS**

Lab ID: L2469861-03

Client ID: MW-08_20241126

Sample Location: 50 RAYMOND AVE, POUGHKEEPSIE, NY 12603

Date Collected: 11/25/24 13:15

Date Received: 11/26/24

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8270E-SIM

Analytical Date: 12/01/24 17:56

Analyst: KMH

Extraction Method: EPA 3510C

Extraction Date: 11/30/24 19:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	0.04	J	ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	74		15-120
4-Terphenyl-d14	87		41-149

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 12/01/24 17:40
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 11/30/24 19:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03 Batch: WG2003627-1					
Acenaphthene	ND		ug/l	0.10	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	72		15-120
4-Terphenyl-d14	98		41-149

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 12/03/24 12:34
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 12/02/24 09:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2003962-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	100	19.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	27.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	71		18-120



Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2469861

Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03 Batch: WG2003627-2 WG2003627-3								
Acenaphthene	80		72		40-140	11		40
Fluoranthene	104		94		40-140	10		40
Benzo(a)anthracene	100		90		40-140	11		40
Benzo(a)pyrene	103		94		40-140	9		40
Benzo(b)fluoranthene	100		88		40-140	13		40
Benzo(k)fluoranthene	102		96		40-140	6		40
Chrysene	104		96		40-140	8		40
Acenaphthylene	76		71		40-140	7		40
Anthracene	93		83		40-140	11		40
Benzo(ghi)perylene	97		89		40-140	9		40
Fluorene	88		79		40-140	11		40
Phenanthrene	95		84		40-140	12		40
Dibenzo(a,h)anthracene	99		90		40-140	10		40
Indeno(1,2,3-cd)pyrene	103		95		40-140	8		40
Pyrene	104		95		40-140	9		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	83		75		23-120
2-Fluorobiphenyl	77		71		15-120
4-Terphenyl-d14	99		91		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 50 RAYMOND AVE

Project Number: 24.5088

Lab Number: L2469861

Report Date: 12/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2003962-2 WG2003962-3								
Acenaphthene	66		77		31-137	15		50
Fluoranthene	68		77		40-140	12		50
Benzo(a)anthracene	68		80		40-140	16		50
Benzo(a)pyrene	68		81		40-140	17		50
Benzo(b)fluoranthene	69		82		40-140	17		50
Benzo(k)fluoranthene	61		75		40-140	21		50
Chrysene	65		75		40-140	14		50
Acenaphthylene	79		89		40-140	12		50
Anthracene	71		82		40-140	14		50
Benzo(ghi)perylene	69		78		40-140	12		50
Fluorene	70		82		40-140	16		50
Phenanthrene	66		79		40-140	18		50
Dibenzo(a,h)anthracene	69		80		40-140	15		50
Indeno(1,2,3-cd)pyrene	68		82		40-140	19		50
Pyrene	69		78		35-142	12		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		90		25-120
Phenol-d6	76		87		10-120
Nitrobenzene-d5	62		73		23-120
2-Fluorobiphenyl	60		69		30-120
2,4,6-Tribromophenol	67		83		10-136
4-Terphenyl-d14	67		77		18-120

INORGANICS & MISCELLANEOUS

Lab Duplicate Analysis*Batch Quality Control***Project Name:** 50 RAYMOND AVE**Project Number:** 24.5088**Lab Number:** L2469861**Report Date:** 12/12/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG2004487-1 QC Sample: L2469861-02 Client ID: SB-20-12-15						
Solids, Total	84.8	82.7	%	3		20

Project Name: 50 RAYMOND AVE**Lab Number:** L2469861**Project Number:** 24.5088**Report Date:** 12/12/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2469861-01A	Glass 60ml unpreserved split	A	NA		3.7	Y	Absent		HOLD-METAL(180)
L2469861-01B	Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		HOLD-WETCHEM()
L2469861-02A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2469861-02B	Vial water preserved	A	NA		3.7	Y	Absent	27-NOV-24 07:31	NYTCL-8260HLW(14)
L2469861-02C	Vial water preserved	A	NA		3.7	Y	Absent	27-NOV-24 07:31	NYTCL-8260HLW(14)
L2469861-02D	Plastic 120ml unpreserved	A	NA		3.7	Y	Absent		TS(7)
L2469861-02E	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		NYCP51-PAH(14)
L2469861-03A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2469861-03B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2469861-03C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2469861-03D	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYCP51-PAHSIM-RVT(7)
L2469861-03E	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		NYCP51-PAHSIM-RVT(7)

Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

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: DU Report with 'J' Qualifiers



Project Name: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

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. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: 50 RAYMOND AVE
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Report Date: 12/12/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- 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: 50 RAYMOND AVE
Project Number: 24.5088

Lab Number: L2469861
Report Date: 12/12/24

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**Revision **23**Published Date: **12/09/2024**Page **1** of **1****Certification Information**

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Nonpotable Water: **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Nonpotable Water: **EPA RSK-175 Dissolved Gases**

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, 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 Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	NEW YORK CHAIN OF CUSTODY Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 11/27/24		ALPHA Job # L2409861																																																																																																																																																																																																																																								
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Client Information Client: C.T. Male Associates Address: 50 Century Hill Dr. Latham, NY, 12110 Phone: 518-786-7400 Fax: NA Email: r.andujar-meneil@ctmale.com		Project Manager: Rosaura Andujar-McNeil ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge				Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																																																																																																																																																																																																								
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EXHIBIT 1

LRC In Progress Survey Map

