

Phase II Environmental Site Assessment Report

20 Forbes Avenue

City of Rensselaer, NY

Rensselaer County, New York

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DRAFT REPORT FOR CLIENT REVIEW

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TABLE OF CONTENTS

- 1.0 SITE BACKGROUND**
- 2.0 GROUND PENETRATING RADAR INVESTIGATION**
- 3.0 VAPOR INTRUSION INVESTIGATION**
- 4.0 SOIL AND GROUNDWATER INVESTIGATION**
- 5.0 HISTORIC SUB STATION INVESTIGATION**
- 6.0 STORMWATER SYSTEM INVESTIGATION**
- 7.0 CONCLUSIONS**

TABLES

- Table(s) 1A-1C – Summary of Volatile Organic compounds Detected in Sub-Slab Soil Gas (EPA VISL Standards Comparison)
- Table 2 – Summary of Volatile and Semi-volatile Organic Compounds Detected in Test Pit Soil Samples
- Table 3 – Summary of Volatile and Semi-volatile Organic Compounds, PCB's, and Metals Detected in Soil Borings
- Table 4 – Summary of Volatile and Semi-volatile Organic Compounds and Metals Detected in Groundwater Samples

FIGURES

- Figure 1 – Site Location Map
- Figures 2A - 2D GPR Underground Utility and Storage Tank Identified Locations
- Figure 3 –Sampling Locations
- Figure 4 – Groundwater Elevation Contour Map

APPENDICES

- Appendix A – EPA Residential and Commercial Vapor Intrusion Screening Levels
- Appendix B – Test Pit Logs
- Appendix C – Soil Boring Logs
- Appendix D – Laboratory Sample Analysis Reports

1.0 SITE BACKGROUND

The Subject Property (SP) is 6.1-acre land parcel in the City of Rensselaer, Rensselaer County, New York, known as 20 Forbes Avenue, formerly known as the Barnet Shoddy Mill and then as Hilton Center. The site contains nine industrial use buildings that covers a large portion of the tax parcel. The remainder of the parcel is a gravel surfaced land with an access roadway through the center of the buildings and a gravel surfaced roadway on railroad property along the west side of the SP.

A Phase I Environmental Site Assessment for the SP was performed by Alpine Environmental Services, Inc. (Alpine) in July of 2021 and identified Recognized Environmental Conditions (RECs) on the SP as follows:

1. The facility was originally constructed as a brewery but was then converted to a textile mill called William Barnet & Sons All Wool Shoddy Mill. This industrial use occurred from 1905 into the 1960's. The industrial use of the mill with extensive industrial equipment that had to be maintained throughout this timeframe required lubricating chemicals, solvents and other types of chemicals that had to be stored, used and disposed of. No accounting for how these materials were used, stored and disposed is known. It is presumed that spills or spills from storage or disposal could have occurred over this sixty years of industrial operations. Some testing of site soil and groundwater will be necessary to determine if adverse impacts to the subsurface have occurred.
2. Use of the SP by The Hilton Center for decades renting to industrial and commercial tenants has included manufacturing, automotive repair, and possible salvaging and other commercial and industrial uses that have stored and used large quantities of petroleum and other chemicals. Spills including discharge of oil to the ground, storage of large quantities of drummed chemicals and leaks in the storage areas have occurred and were documented by the City of Rensselaer and the New York State Department of Environmental Conservation in the 1980's and 1990's. Additional storage of chemicals in areas used to store, service, and repair vehicles has also occurred during the Hilton Center timeframe and these areas are not documented. Extensive soil and ground water sampling across the SP will be necessary to determine if the documented spills and other spills that may have occurred and not been documented, have degraded site soil and groundwater quality to the extent that current regulatory cleanup standards may be exceeded in the site subsurface.
3. Land filling has reportedly occurred in the northern end of the SP. CHA Consulting reported as a result of a 2013 site inspection, that an apparent dumping area for various debris was noted in the northern site area. A significant amount of construction and demolition type debris was noted in this area. CHA noted that based on appearances in this area in conjunction with past documented actions of the property owner (at that time), including the attempted burial of PCB-contaminated electrical transformers, "there is reason to suspect the dumping or burial of potentially hazardous waste materials in this area". CHA recommended that test pits should be completed in this area to evaluate subsurface conditions and the potential presence of buried debris. Alpine agrees with this recommendation to address this REC.
4. Multiple petroleum and chemical storage tanks have existed on the SP. Three tanks were registered with the DEC, two were reportedly closed, the third, a 550 gallon underground fuel

oil tank remains listed on the registration as "Active". The location of this tanks is not clearly identified in the PBS records obtained from the DEC. Other tanks referenced documents reviewed (i.e. spill reports, Sanborn maps, etc.) were not registered with the DEC. It is possible that any of these tanks may have leaked or that spills from filling the tanks could have occurred and contaminated site soil and groundwater quality. Any tanks still present must be properly registered and closed through the NYSDEC Petroleum Bulk Storage Program.

5. A vent that may be a petroleum storage tank vent is present along the south side of Building #1. The site owner did not know the purpose of this vent. This vent should be investigated to determine if a storage tank is still present in this area of the SP. If present, this tank will have to be investigated and properly closed in accordance with NYSDEC storage tank closure regulations.

6. According to historic mapping, a 100,000-gallon storage tank is present at or near the south end of Building 5 and "large vaults" were reported by NYSDEC to exist beneath portions of the mill buildings. These tanks could contain chemicals or chemical residue from manufacturing operations or petroleum or chemicals that may have leaked beneath the building floors from storage or use of these liquids within the buildings. Additionally, it is presumed that all floor drains observed within the mill buildings are likely to discharge to the stormwater system and ultimately to the river. Stormwater basins and other storm and floor drain structures may contain contaminants and would have to be inspected and sediments and liquids in them sampled to determine if contaminants remain within this system.

7. An electrical power substation is present along the west side of the SP, to the east of Building five where multiple PCB oil containing transformers are likely to have been present within this substation. If transformers within the substation leaked to the ground, PCB and petroleum contaminated soil may exist within or adjacent to the substation area.

8. Given the spills that have been documented on the SP by NYSDEC, including the uses and storage of drummed chemicals in the site buildings and evidence of spills from drummed chemicals, vapor intrusion from chemicals that may have leaked or spilled beneath the site buildings is possible. Vapor sampling should be completed beneath the lowest level building area floor slabs to determine if vapor mitigation will be necessary for re-use of any of the site buildings.

Alpine Environmental Services (Alpine) was retained by BBL Construction Services LLC and BBL Barnet LLC of Albany, NY, to conduct a Phase II Environmental Site Assessment (ESA) investigation as a follow up to the Phase I ESA study, to determine if contamination is present in soil, soil vapor, or groundwater as the result of the past use of the property.

This Phase II ESA was completed to address the recognized environmental conditions, and to determine if underground storage tanks are present, or if petroleum or other types of industrial chemical contamination is present in the subsurface as a result of the historic use of this property and conditions present on the property as indicated in the findings of the Phase I ESA. The investigation also served to determine if remedial actions may be warranted with respect to obtaining compliance with current New York State Department of Environmental Conservation cleanup standards, criteria and guidelines (SCGs) for soil, soil gas, and groundwater remediation, or may be of concern with respect to general ownership and use of the SP.

NOTE: The initial stages of this investigation confirmed the presence of two underground storage tanks south of Building 1 (20,000-gallon #6 fuel oil tank) and west of Building 5 (1,000-gallon oil/water separator tank). In addition, a petroleum spill was identified at the location of the 20,000-gallon fuel oil storage tank south of Building 1, when monitoring wells MW-1 and MW-2 were installed. This spill was reported to NYSDEC and is identified as NYSDEC petroleum spill # 2104385. The investigation and closure of these tanks was then separated from this Phase II ESA and is provided separately as an underground tank and spill investigation report.

2.0 GROUND PENETRATING RADAR SURVEY

A ground penetrating radar (GPR) survey was completed to screen the property for imaging evidence of the presence of underground storage tanks, and to clear areas of the SP for underground utilities, in the areas where test borings were proposed. The survey was completed with Alpine's sub-contractor, Bloodhound LLC on July 26 and 27, 2021. A cart mounted GPR unit with a 270 Mhz detection antenna was used to traverse accessible surfaces of the property. The survey was completed by performing perpendicular grid transects with a spacing of approximately 5 feet or less, where drilling locations and excavation test pits were proposed. An area along the south side of Building #1 was also explored to determine if an underground storage tank was present where an apparent tank vent was observed during the Phase I ESA. In areas where targets (subsurface anomalies) were detected, additional searching with the GPR was performed until the boundaries of the targets were determined, to the extent that they could be resolved with the equipment. Targets were marked on the ground surface with marking paint, measured to reference points and recorded for later reference. In addition to the GPR detections, a magnetic locator was used to further clarify and trace detected targets and determine if targets were ferro metallic in nature.

GPR Findings:

An anomaly, which appeared to be an underground storage tank (UST), was observed in the general area where a large vent pipe was observed along the southwest side of Building #1. The vent pipe was traced away from the building and an apparent underground storage tank was delineated in the gravel surfaced parking lot near the building. The apparent UST appeared to be between 30 and 35 feet in length, parallel with the building and at least 6-feet or more in diameter with the top of the structure approximately 3-feet below the parking lot surface. Piping to the building was apparent from the northern end of the UST, to the area where the vent was present.

A second potential UST was identified along the western side of Building #5. This area was delineated and marked for further exploration. No other UST's were evident in the areas of the SP explored during this survey.

The GPR detected evidence of multiple subsurface utilities, appearing to be piping or conduit throughout the proposed test boring installation areas to the west of the site buildings and along the service road between buildings on the east side of the property. These utility locations were marked with spray paint and mapped to assure those areas were avoided when test borings were installed. These areas were additionally cleared by the mark-out services for the utility companies. Apparent natural gas lines, sanitary and storm sewer lines, and water service lines were identified in areas where drilling was planned and all were marked at this time.

Based on the findings of the GPR survey, it appeared that two underground storage tanks USTs

were identified on the SP, southwest of Building #1, in the area where the vent pipe was identified during the Phase I ESA, and a second area west of Building #5. The approximate locations of the suspected UST subsurface structure identified during the GPR survey are provided on Figures 2 and 3 of this report. Subsurface utility piping locations are also identified on Figure 2.

3.0 VAPOR INTRUSION TESTING

This limited vapor intrusion testing was performed to generally determine if there was evidence of subsurface soil gas impacts on the SP, beneath the SP buildings, that suggest a potential future concern for indoor air quality impact, and which may require mitigation to meet current guidance. At the time of this investigation, the site buildings were not heated/cooled and extensive broken windows and other openings in the buildings prevented the ability to collect valid indoor air quality samples. The sub slab soil vapor (SV) testing was performed in general accordance with the New York State Department of Health (DOH), Guidance for Evaluating Soil Vapor Intrusion in the State of New York (DOH VI Guide; 2006 with 2017 matrix updates). However, since valid indoor air sampling could not be performed due to the unconditioned buildings with large openings, the matrix comparison evaluation in the NYS DOH guide could not be performed. Sub-slab vapor testing was performed through the concrete floor slabs from below the lowest level building slabs with comparison of detected VOCs to the US EPA Vapor Intrusion Screening Level (VISL), to evaluate the potential for vapor intrusion to exist beneath the site buildings.

The SV testing included two types of samples:

1. Sub-slab soil vapor samples collected beneath the basement or lower level floor slab in each of the nine on SP buildings, where conditions permitted.
2. One sample outside of the building as a reference ambient air sample.

On July 27, 2021, Alpine installed sub-slab soil vapor sample collection canisters in the SP buildings. A total of nine sub-slab soil vapor samplers were installed in the nine defined site buildings, one in each of the building sections previously identified as building areas 1 through 11. Prior to this investigation, buildings #2 and #3 had been demolished. One outdoor ambient air sample was collected along the east side of Building #8, in a central area between Building #8 and Building #11. In this study, the ambient air sample was used as a control sample to compare levels of chemicals detected or not detected in the ambient air, to those detected in soil samples beneath the buildings.

The sub slab samples were collected through the temporary installation of Cox Colvin Brass Vapor Pins with silicone sleeve gaskets. The concrete to vapor pin seal, as well as the seal of dedicated polytetrafluoroethylene (PTFE) transfer tubing to the vapor pin, were tested by connecting a photo-ionization detector (PID) to the tubing with the other end connected to the vapor pin. The PID (Rae Systems PPB-RAE 3000) was calibrated with a 10 PPM Isobutylene calibration gas standard and utilized a 10.6 eV detection bulb. An isopropyl alcohol tracer was applied to the seal test areas to provide a quantitative measure of sampling point tightness prior

to sampling. All PID readings were confirmed as zero parts per million, confirming an air-tight seal on the sampling point where it penetrated the concrete floor.

One-liter stainless steel sample canisters and control valves, pre-cleaned, calibrated for 8-hour sample collection and provided by the analysis laboratory, were connected to the vapor pin tubing by air-tight compression fittings. The canister valves were opened, and starting times and pressures were recorded on the chain of custody. The outside ambient air sample was similarly collected through calibrated 8-hour flow controller, at an area between the site buildings.

Air flow regulators on the samplers were set to collect air over a period of 8 hours and were stopped just short of the full 8-hour period to ensure that there was still some vacuum remaining within the canisters. Samples were analyzed via EPA Method TO-15 by Alpha Analytical, a NYS DOH ELAP certified laboratory. Samples were collected on July 27, 2021. The location of samples are provided on Figure 3 of this report.

An additional consideration of these studies is the potential influence of chemicals stored and/or used within the facility on the test results. At the time of this study, no obvious sources of chemical impacts to the subsurface were observed in site building areas where the sampling was performed. The buildings had been cleared of past industrial uses, including storage or use of petroleum or chemicals, prior to this sampling.

Laboratory results indicate that multiple VOCs were detected in each of the samples, including the outside ambient reference sample. The laboratory results are attached in Appendix D. The sample analysis results were evaluated to determine if mitigation actions may be required, through comparison of laboratory sample analysis results to EPA action levels.

The United States Environmental Protection Agency (EPA) Vapor Intrusion Screening Level (VISL) Calculator (Calculator Run Date 9/17/2021) was used to determine sub slab levels of concern were indicated by these EPA guidelines. The EPA VISL calculator provides screening level guidelines for a much larger number of VOCs and are used to evaluate the potential for soil vapor intrusion conditions for additional VOCs not addressed by the DOH VI Guide or when indoor air samples cannot be collected with use in the decision matrices in the DOH guide.

3.1 RESULTS OF TESTING: DOH VI GUIDE

At the time of this study, the site buildings were not heated/cooled and the buildings were substantially damaged with many windows broken and large air gaps in walls and doors, allowing outside air to free-flow through building areas. As a result of the building condition, Alpine determined that indoor air sampling could not be performed in a way that would allow for a valid comparison to the New York State Department of Health (NYSDOH) vapor intrusion study regulatory guidelines. In an effort to make some determination relative to the threat of vapor intrusion into future restored building areas, Alpine did perform subslab air quality sampling in representative lower level building areas and the results of this study are provided in 2.2. Should

the buildings become enclosed and heated in the future, sampling and comparison to NYSDOH vapor intrusion regulatory guidelines could be performed at that time.

3.2 RESULTS OF TESTING: EPA VISL GUIDE

The vapor test points installed to collect sub-slab vapor beneath Building 7 and Building 8 did not yield valid sample collection due to extremely shallow groundwater beneath the floor slabs at these locations. It is believed that saturated soil conditions exist beneath the slabs at these locations at or only slightly beneath the floor slabs, and that the saturated conditions resulted in a vacuum condition with no measurable flow into either canister over the 8-hour testing interval. The laboratory did not analyze these samples due to insufficient sample.

Multiple VOC compounds were detected in the sub-slab samples, with detected compounds and EPA VISL comparisons provided in Tables 1A and 1B below. The EPA screening level for sub slab and near source for each detected compound is provided for residential use, as the proposed future use of the SP is residential dwellings with some commercial tenants. The commercial screening levels are provided in parenthesis for additional comparison.

The following chemicals, as identified in Tables 1 (in yellow), were present in sub-slab soil vapor samples, in excess of the EPA screening level target concentrations for residential use. The outside reference ambient air sample had much lower concentrations of these compounds, suggesting that these VOC's are present at the reported elevated levels (greater than the ambient air control sample), due to some source of VOC's beneath the building areas identified.

TABLE 1A: Summary of Detected Compounds with comparison to US EPA Vapor Intrusion Screening Levels

Sample ID:	Units	SS-01 Sub slab Building 01 Lab Id: L2140488-01	SS-02 Sub slab Building 04 Lab Id: L2140488-02	SS-03 Sub slab Building 05 Lab Id: L2140488-03	SS-04 Sub slab Building 06 Lab Id: L2140488-04	US EPA VISL Screening Level for sub slab and near- source soil gas Residential (Commercial)
dichlorodifluoromethane	ug/m ³	1.94	2.13	1.82	2.15	348 (1,460)
benzene	ug/m ³	5.30	10.8	11.0	10.4	12 (52.4)
carbon disulfide	ug/m ³	1.21	4.20	2.27	3.39	2,430 (10,200)
chlorobenzene	ug/m ³	ND	ND	2.04	ND	174 (730)
chloromethane	ug/m ³	1.05	ND	ND	ND	313 (1,310)
1,4-dioxane	ug/m ³	ND	0.735	15.5	ND	18.7 (81.8)
ethanol	ug/m ³	26.4	507	154	47.1	NA
acetone	ug/m ³	37.5	99.8	615	99.3	107,000 (451,000)
trichlorofluoromethane	ug/m ³	1.87	1.87	1.80	2.82	NA
methylene chloride	ug/m ³	ND	2.44	4.90	5.18	2,090 (8,760)
1,1-dichloroethene	ug/m ³	ND	1.03	ND	ND	695 (2,920)
2-butanone	ug/m ³	2.74	13.0	12.4	14.7	17,400 (73,000)
chloroform	ug/m ³	ND	27.0	ND	3.39	4.07 (17.8)
tert butyl alcohol	ug/m ³	4.43	18.4	24.0	15.6	NA
tetrahydrofuran	ug/m ³	ND	26.0	ND	22.4	6,950 (29,200)
toluene	ug/m ³	112	250	271	270	17,400 (73,000)
trichloroethene	ug/m ³	ND	3.69	ND	ND	6.95 (29.2)
ethylbenzene	ug/m ³	19.2	86.0	93.4	91.2	37.4 (164)
4-ethyltoluene	ug/m ³	1.96	17.1	16.0	18.5	NA
n-hexane	ug/m ³	6.48	12.1	11.9	13.6	2,430 (10,200)
4-methyl-2-pentanone	ug/m ³	ND	2.22	2.65	ND	10,400 (43,800)
cyclohexane	ug/m ³	5.68	10.5	10.7	10.4	20,900 (87,600)
1,1,1-trichloroethane	ug/m ³	ND	69.8	110	5.15	17,400 (73,000)
heptane	ug/m ³	13.2	24.4	27.6	24.7	1,390 (5,840)
2,2,4-trimethylpentane	ug/m ³	7.19	12.1	13.2	12.8	NA
1,2,4-trimethylbenzene	ug/m ³	6.98	73.3	73.3	84.6	209 (876)
1,3,5-trimethylbenzene	ug/m ³	2.23	21.9	22.6	25.2	209 (876)
p/m-xylene	ug/m ³	63.9	286	297	319	348 (1,460)
o-xylene	ug/m ³	23.5	127	132	138	348 (1,460)
carbon tetrachloride	ug/m ³	ND	10.3	ND	ND	15.6 (68.1)
styrene	ug/m ³	ND	1.63	1.78	1.37	3,480 (14,600)

Notes: US EPA Vapor Intrusion Screening Level Calculator Run Date 09/17/2021, (Target Cancer Risk = 1E-06; Target Hazard Quotient =0.1); **Highlighted** result indicates it exceeds the sub slab soil gas screening level for residential use;

ND - Not Detected in sample

NA- No Level Provided

TABLE 1B: Summary of Detected Compounds with comparison to US EPA Vapor Intrusion Screening Level

Sample ID:	Units	SS-07 Sub slab Building 09 Lab Id: L2140488-07	SS-08 Sub slab Building 10 Lab Id: L2140488-08	SS-09 Sub slab Building 11 Lab Id: L2140488-09	AA-01 Ambient Air Lab Id: L2140488-10	US EPA VISL Screening Level for sub slab and near- source soil gas Residential (Commercial)
dichlorodifluoromethane	ug/m ³	2.41	7.91	2.35	1.97	348 (1,460)
benzene	ug/m ³	29.5	31.8	14.7	1.52	12 (52.4)
carbon disulfide	ug/m ³	3.52	6.82	4.11	ND	2,430 (10,200)
chloromethane	ug/m ³	ND	ND	0.803	1.01	313 (1,310)
ethanol	ug/m ³	179	377.0	18.0	ND	NA
acetone	ug/m ³	173	1,130.0	94.1	17.1	107,000 (451,000)
trichlorofluoromethane	ug/m ³	1.96	ND	1.75	ND	NA
1,3-butadiene	ug/m ³	ND	5.93	ND	ND	3.12 (13.6)
2-butanone	ug/m ³	12.1	35.4	24.3	ND	17,400 (73,000)
chloroform	ug/m ³	1.31	ND	ND	ND	4.07 (17.8)
tert butyl alcohol	ug/m ³	26.8	101	23.2	ND	NA
tetrahydrofuran	ug/m ³	36.0	16.5	14.2	7.90	6,950 (29,200)
ethylbenzene	ug/m ³	96.0	127.0	106.0	2.45	37.4 (164)
4-ethyltoluene	ug/m ³	11.1	12.7	16.3	ND	NA
heptane	ug/m ³	34.6	70.1	35.4	2.17	1,390 (5,840)
n-hexane	ug/m ³	16.5	44.8	15.3	1.87	2,430 (10,200)
methylene chloride	ug/m ³	ND	7.02	ND	ND	2,090 (8,760)
4-methyl-2-pentanone	ug/m ³	2.88	ND	3.29	ND	10,400 (43,800)
cyclohexane	ug/m ³	15.7	30.6	12.1	0.792	20,900 (87,600)
1,1,1-trichloroethane	ug/m ³	ND	ND	4.27	ND	17,400 (73,000)
toluene	ug/m ³	312.0	663.0	357.0	60.7	17,400 (73,000)
2,2,4-trimethylpentane	ug/m ³	17.6	41.0	16.1	2.40	NA
tetrachloroethene	ug/m ³	ND	ND	12.3	ND	139 (584)
1,2,4-trimethylbenzene	ug/m ³	42.0	44.1	61.9	ND	209 (876)
1,3,5-trimethylbenzene	ug/m ³	13.5	14.1	18.7	ND	209 (876)
p/m-xylene	ug/m ³	295	424.0	354.0	8.21	348 (1,460)
o-xylene	ug/m ³	120	152.0	140.0	2.71	348 (1,460)
carbon tetrachloride	ug/m ³	17.0	13.9	ND	ND	15.6 (68.1)
styrene	ug/m ³	2.01	ND	1.80	ND	3,480 (14,600)

Notes: US EPA Vapor Intrusion Screening Level Calculator Run Date 09/17/2021, (Target Cancer Risk = 1E-06; Target Hazard Quotient =0.1); **Highlighted** result indicates it exceeds the sub slab soil gas screening level for residential use;

ND - Not Detected in sample

NA- No Level Provided

4.0 SOIL AND GROUNDWATER INVESTIGATION

On July 27, 2021, a series of eleven test pits were installed through an area on the north end of the SP where there was evidence of fill placement and where historic documents indicated that waste materials may have been placed during the filling operations. On August 9 through August 12, 2021, Alpine installed a series of test borings in potential areas of concern, and to generally evaluate soil and groundwater quality across the SP.

This investigation was performed to generally screen the overall property, to determine if there was evidence of subsurface soil or groundwater quality impacts on the SP, and to characterize shallow subsurface geologic conditions, to the extent possible, with Geoprobe push-tube shallow soil and groundwater sampling methods. Soil was screened on-site for volatile organic compounds (VOC's) during these investigation phases. Following the soil screening process, soil samples were selected from test pits and the test borings, where field screening suggested evidence of possible contaminant impacts, and were sent to an environmental analytical laboratory and analyzed to determine if they contained contaminants of concern. All test borings were finished as monitoring wells in the shallow unconsolidated aquifer to determine groundwater elevations and to allow for groundwater quality testing/analysis. This report section describes the soil and groundwater quality investigation conducted.

4.1 SOIL INVESTIGATION

4.1.1 Test Pit Investigation

On July 28, 2021, Alpine installed test pits within an area at the northern end of the SP where historic filling was identified during the Phase I ESA. At this time, eleven test pits were excavated in this area and soil and other fill materials were observed and logged by depth for each test pits. Test pit logs are provided in Appendix B of this report.

Test pits were excavated to depths of 10-12 feet below the existing grade and were generally observed and logged at 2-foot intervals, or at any intervals where the changes were observed in geology or the quality or type of fill materials. Locations of the test pits are indicated on Figure 2 of this report.

Soil samples were collected from each test boring, and were screened by ambient temperature headspace analysis, with a photo-ionization detector (PID), upon collection. Soil samples were screened with a handheld PPB-Rae-3000 photo-ionization detector meter (PID) for the general presence of total volatile organic compounds (VOCs). The PID was calibrated with a 10 PPM Isobutylene calibration gas standard and utilized a 10.6 eV. PID detection bulb. PID readings for all sample collection depth intervals (total VOC's by headspace analysis) are recorded on the soil boring logs in Appendix C.

The VOC headspace screening did indicate the presence of slightly elevated volatile organic compounds (VOC's), between 0.5 and 3.0 parts per million, in soil samples from test pits TP-1 (6-11 feet), TP-7 (8-10') and TP-11 (10-11').

In general the type of geology observed was medium to coarse sand and gravel (where fill was not present and covering fill) and often test pits were entirely a mixture of various fill materials

including bricks, wood, concrete, metal items and sand and gravel. No groundwater was observed in any test pits except TP-10 where groundwater entered the test pit at 6 feet below grade, this test pit was terminated at 9-feet below grade due to excessive groundwater infiltration. Of particular note were materials in test pits TP-1 and TP-11 (near TP-1) where both had strong odors, black stained soil/wastes (in TP-1) and elevated PID readings below 6-feet in TP-1 and at 10-feet in TP-11. Soil samples were selected for analysis based on the following observed conditions.

TP-1 Depths 6-8' and 8-10': Both of these depths had dark stained soils and very strong chemical odors and PID screening VOC headspace screening readings of 3.0 parts per million.

TP-7 at 11-feet of depth: This test pit had metal wastes in it and slightly elevated PID readings at the 10-11 foot depth

TP-9 at 8-9 feet of depth: This test pit had typical fill materials including wood, metal, sand and gravel and bricks.

TP-11 at 10 feet of depth: Odorous soil similar to TP-1 was encountered at 10–11 feet of depth.

Overall, the following conditions were noted as a result of the test pit screening and sample collection investigation.

- Strong odorous (chemical odors) conditions were noted in TP-1 from 6 feet to the bottom of the test pit at 11-feet and in test pit TP-11 at the 10-foot depth. Elevated PID readings were also recorded consistent with the 6-11 foot depth where stained soils were noted.
- Most of the test pits excavated contained fill materials including old rotting wood, bricks, metal waste items (including a vehicle axel in TP-9), concrete and sand & gravel.

4.1.2 Test Pit Laboratory Soil Sample Analysis

Soil field screening results were used as the basis for selecting and submitting test pit soil samples for laboratory analysis, in representative areas and at depths where contaminants were detected during field screening. The soil screening did identify the presence of VOC contaminated soil as well as visual and odorous evidence in the these test pits. Representative samples from three of the test pits indicating conditions of concern were submitted for laboratory analysis.

Soil samples were collected in 4-oz. laboratory-provided clean glass sample jars and were placed in a cooler with ice for preservation and transport for laboratory analysis. Samples were transported to a NYSDEC ELAP certified environmental testing laboratory for analysis under a chain-of-custody. Results of the chemical lab analyses are summarized below in Table 2.

A total of four soil samples from three test pits were laboratory analyzed for volatile organic compounds (VOC's) by EPA Method 8260, for the NYS CP-51 list of semi-volatile organic (SVOC) petroleum compounds by EPA Method 8270, for PCB's by EPA Method 8082, and for the RCRA list of heavy metals.

TABLE 2: SUMMARY OF COMPOUNDS DETECTED IN TEST PIT SOIL SAMPLES

Target Compounds Detected	TP-1 6-8 Ft (ug/kg) L2140625-01	TP-1, 8-10 Ft (ug/kg) L2140625-02	TP-9, 8-9 Ft (ug/kg) L2140625-03	TP-11 10 Ft (ug/kg) L2140625-04	NYS DEC Cleanup Objective (ug/kg)
VOCs via EPA 8260B					
Acetone	440	1,200	nd	nd	50
Benzene	nd	nd	nd	0.28	60
2-Butanone (MEK)	190	390	nd	nd	120
Carbon Disulfide	8.8	10	nd	nd	NS
Chloroform	11	12	0.21	0.19	370
Methyl Acetate	330	530	nd	nd	NS
Toluene	100	1,700	1.4	2.1	700
Semi-VOCs via EPA 8270C (CP-51 List)					
Anthracene	nd	nd	48	nd	100,000
Benzo(a)anthracene	nd	31	120	44	1,000
Benzo(a)pyrene	nd	nd	89	nd	1,000
Benzo(b)Fluoranthene	nd	62	120	61	1,000
Benzo(k)Fluoranthene	nd	nd	49	40	1,000
Chrysene	19	110	120	65	1,000
Benzo(ghi)perylene	nd	26	52	40	100,000
Fluoranthene	nd	44	240	64	100,000
Fluorene	nd	nd	19	nd	100,000
Ideno(1,2,3-cd)pyrene	nd	nd	56	36	500
Phenanthrene	nd	43	180	78	100,000
Pyrene	nd	45	190	57	100,000
PCB's					
Aroclor 1268	748	1,300	78.3	1,830	1,000
Total PCB's	748	1,300	78.3	1,830	1,000
Metals					
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	6.52	7.36	7.80	14.5	16 (16)
Barium	82.9	123.0	99.0	476.0	350 (400)
Cadmium	1.49	1.56	1.48	3.83	2.5 (7.5)
Chromium	86.3	105.0	31.8	277.0	36 (1500)
Mercury	0.22	0.45	0.18	0.26	0.73 (0.73)
Lead	75.3	158.0	81.6	552.0	400 (450)
Silver	0.53	0.81	< 0.37	2.76	8.3 (8.3)
Selenium	< 1.6	< 1.7	< 1.5	< 1.7	4 (4)

nd - indicates below the method detection limit

ug/kg - indicates micrograms of contaminant per kilogram of soil; mg/kg indicates milligrams of contaminant per kilogram of soil, 1 mg/kg = 1 part per million (ppm)

Highlighted result exceed NYS DEC Soil Cleanup Objectives / where indicated, residential clean up objective followed by commercial/industrial clean up objective in parentheses

SCOs for organic contaminants (volatile organic compounds, semi-volatile organic compounds, and pesticides) are capped at 100 ppm for residential use, 500 ppm for commercial use, 1000 ppm for industrial use. SCOs for metals are capped at 10,000 ppm.

NS = No NYSDEC standards or guidance values have been set for these compounds

Soil quality conditions were assessed based on soil cleanup objectives provided by NYSDEC under their CP-51 Soil Cleanup guidance document, and when applicable, the soil cleanup and re-use standards contained in NYSDEC Part 375, which are used to define the re-use of impacted soil in New York State under the Brownfields and hazardous waste cleanup programs. Laboratory analysis results for the soil samples are attached in Appendix D.

Volatile organic compounds were detected in both soil samples from test pit TP-1, above soil cleanup standards, criteria or guidelines (SCGs). Soil from 6-10 feet of depth in this test pit exceeded cleanup standards for acetone, MEK and toluene. Soil quality from the other two test pits did not exceed VOC cleanup standards.

PCB's (aroclor 1268) was also detected in the soil samples from TP-1 (8-10 foot depth) and from TP-11 at 10 feet of depth and in both cases exceeded cleanup standards for total PCB's.

Analysis for the RCRA list of heavy metals also indicated that soil samples from TP-1 at 6-10 feet failed cleanup standards for chromium and the soil sample from test pit TP-11 exceeded cleanup standards for barium, cadmium, chromium, and lead.

No cleanup standards were exceeded for the 8-9 foot depth in the soil sample collected from test pit TP-9.

4.2.1 Test Boring and Soil Sampling Investigation

A total of twenty (20) test borings were advanced with a Geoprobe hydraulic direct push rig on August 9 through August 12, 2021. Test boring locations are shown on Figure 2 of this report. Soil samples were collected in five-foot depth intervals using a 2-inch dual tube push sampler with polyethylene sampling tube inserts. The soil sample cores were then observed and the geology for each depth interval was logged. Soil samples were field screened by ambient temperature headspace analysis for the presence of volatile organic compounds with a photo-ionization detector meter (PID). The geologic sampling was limited to the depth interval at which a sufficient groundwater depth was present to set monitoring wells in the shallow unconfined site aquifer.

This investigation revealed that the shallow unconsolidated site geology at the SP was generally identified as medium to coarse sand and gravel in most areas with fine sand, silt and fine gravel fill materials prevalent in the upper 5-10 feet of depth in most borings. These findings are consistent with the USGS mapping of the SP area as Hoosic gravelly-sandy loam, transitioning to silty-clay udorthents from the SP west to the river basin. Groundwater was present in all site borings and varied from as shallow as 3-feet to as deep as 16 feet below the ground surface. Bedrock was not encountered in any test borings.

The SP surface grade slopes moderately across the property from east to west and has been substantially cut and graded to facilitate access around the site buildings. The grade generally varies from approximately 35 to 70-feet above mean sea level along the eastern side of the SP, sloping downward to 20 to 25 feet above MSL on the western side, where it meets the grade of a railroad bed. The Hudson River lies to the west of the railroad at a USGS mapped mean elevation of approximately 6-feet above MSL. The eastern side of the property appears to have been substantially cut into a steeply sloping hillside which rises upward to the east. Shallow groundwater flow across the SP is westward into the Hudson River Basin and appears to be substantially altered in some areas of the SP, likely due to the placement of buildings and drainage systems across the property. Groundwater elevations and a groundwater contour map are provided as Figure 4 of this report. The groundwater elevations and contours are based on the surveyed monitoring well depths and elevations are based on approximate ground elevations as provided on a site property contour map (Weston & Samson, April 14, 2014). Elevations were surveyed between wells and the vertical datum was approximated based on comparison to a mapped ground surface elevations.

Borings were advanced across the SP where the Phase I ESA indicated potential areas of concern as well as in a linear spaced pattern along the length of the property to provide a general overall profile of site geology and soil and groundwater quality. Boring locations were also confined to locations where underground utilities and site structures were not present.

Soil boring logs from this investigation are provided in Appendix C of this report. Test boring locations are shown on Figure 2 of this report.

4.2.2 PID Soil Screening Analysis for VOC's

Soil samples were collected from each test boring, and were screened upon collection by ambient temperature headspace analysis, with a photo-ionization detector (PID)..

Soil samples were screened with a handheld PPB-Rae-3000 PID for the general presence of total VOCs. The PID was calibrated with a 10 PPM Isobutylene calibration gas standard and utilized a 10.6 eV. PID detection bulb. PID readings for all sample collection depth intervals (total VOC's by headspace analysis) are recorded on the soil boring logs in Appendix C.

The VOC headspace screening did indicate the presence of low levels of VOC's in a select few soil samples from site test borings, these conditions are noted by depth on the soil boring logs in Appendix C. The detection of elevated VOC levels in soil was utilized as one of the criteria for selection of soil samples to be analyzed in the testing laboratory. Soil samples were also selected where petroleum sheens, odors or visual petroleum was observed in soil samples. Other than apparent indications of petroleum in a small number of test boring samples, no other chemical contaminant impacts were observed in soil boring samples.

4.2.3 Laboratory Soil Sample Analysis

Soil field screening results are typically used as the basis for selecting and submitting soil samples for laboratory analysis and to obtain a general distribution of data across the investigation area. The soil screening at the SP did identify the presence of VOC contaminated soil in a total of seven test borings. The soil depth sample from the depth interval with the highest reading and/or most visually contaminated depth from each of these seven soil borings was selected for laboratory analysis. Elevated PID readings and visual or odorous contamination was not noted in soil from any of the other 13 test borings. The following samples were selected for laboratory analysis as follows.

<u>Sample Location</u>	<u>Description</u>
B-1 @ 10-15 feet	Dark oily stained soil and elevated PID reading = 65 PPM
B-2 @ 10-15 feet	Dark oily stained soil and elevated PID reading = 53 PPM
B-7 @ 4-5 feet	Elevated PID reading = 2.8 PPM
B-8 @ 4-5 feet	Oily stained soil and elevated PID reading = 23 PPM
B-13 @ 10-15 feet	Elevated PID reading = 62 PPM
B-19 @ 15-20 feet	Dark gray stained soil and elevated PID reading = 4.0 PPM
B-20 @ 16-18 feet	Dark oily stained soil and elevated PID reading = 7.5 PPM

Soil samples were collected in 4-oz. laboratory-provided clean glass sample jars and were placed in a cooler with ice for preservation and transport for laboratory analysis. Samples were

transported to a certified environmental testing laboratory for analysis under a chain-of-custody. Results of the chemical lab analyses are provided in Appendix D.

The seven soil samples selected as described above, were analyzed for typical petroleum and industrial solvent volatile organic compounds (VOC's) by EPA Method 8260, by EPA Method 8270 for typical NYS regulated petroleum semi-volatile organic compounds, for PCB's by EPA Method 8082, and for the EPA RCRA list of eight heavy metals.

Soil quality conditions were assessed based on soil cleanup objectives provided by NYSDEC under their CP-51 Soil Cleanup guidance document, and the soil cleanup and re-use standards contained in NYSDEC Part 375, which are used to define the re-use of impacted soil in New York State under the Brownfields and hazardous waste cleanup programs. Laboratory analysis results for the soil samples are attached in Appendix D and summarized below in Table 3.

Volatile organic compounds were detected in only one soil sample, B-8 (4-5 foot depth) at or above soil cleanup standards, criteria or guidelines (SCGs). This sample marginally exceeded the soil cleanup objective for acetone, with acetone also identified in all but one of the other soil samples, below the cleanup standard. Acetone is a solvent frequently used in testing laboratories and is often introduced into the sampling process as a laboratory artifact at low concentrations. Given the limited soil sampling dataset and the fact that sample collection blanks were not utilized during this sampling process, it is not possible to determine if these low concentrations of acetone are a laboratory artifact or if it may actually be present in the site samples. Additional soil sampling at the SP with control and blank samples would be necessary to determine if acetone is present as site soil contaminant, in these areas of the site.

DEC CP-51 SVOCs were detected at trace levels in five of the seven samples, below the cleanup standards, and most prominently, in the sample from boring B-8. No obvious source area for petroleum or other SVOC contamination was identified in the areas of borings B-7, B-8, B-13 or B-19. Concentrations of the detected SVOC compounds are summarized in Table 3 Below.

Substantial petroleum oily contamination was identified in samples from borings B-1, B-2 and B-20, around building #1, the former facility boiler house and in the vicinity of a 20,000-gallon #6 fuel oil underground storage tank that was discovered during this investigation. The NYSDEC was notified of this finding during the investigation and the incident was assigned petroleum spill number 2104385. The closure of this storage tank, and a second 1,000-gallon oil/water separator tank, as well as a preliminary investigation onto the identified spill, were also performed in September 2021 with the property owners during the process of this investigation. These activities are documented in a petroleum spill investigation and storage tank closure report, separate from this Phase II ESA Investigation report.

Due to the presence of oily contamination identified in some areas of the SP, samples identified as potentially contaminated were additionally analyzed for the presence of polychlorinated biphenyls (PCB's). This analysis indicates the presence of PCB's and reports the results by concentration and by the PCB aroclors that are detected. Aroclors are mixtures of PCB congeners and are defined by mass percent of chloring in the PCB, with the heaviest aroclors being the most persistent, least likely to degrade in the environment and therefore more toxic to the ecosystem than the lighter aroclors.

TABLE 3A: SUMMARY OF DETECTED COMPOUNDS IN SOIL BORING SAMPLES

Target Compounds	B-1 10-15 Ft (ug/kg) L2144034-01	B-2, 10-15 Ft (ug/kg) L2144034-02	B-7, 4-5 Ft (ug/kg) L2144034-03	B-8 4-5 Ft (ug/kg) L2144034-04	NYS DEC Cleanup Objective (ug/kg)
VOCs via EPA 8260B					
Acetone	20	20	34	77	50
Benzene	0.73	nd	nd	nd	60
n-Butylbenzene	37	3.1	6.1	nd	12,000
sec-Butylbenzene	56	5.0	16	2.0	11,000
tert-Butylbenzene	8.8	0.73	2.2	0.79	5,900
1,2-Dichlorobenzene	1.3	0.16	1.0	nd	1,100
1,3-Dichlorobenzene	nd	nd	0.22	nd	2,400
1,4-Dichlorobenzene	nd	nd	0.35	nd	1,800
1,1-Dichloroethane	nd	nd	nd	0.40	270
Ethylbenzene	3.5	nd	0.31	nd	1,000
Isopropylbenzene	29	0.80	2.0	0.27	2,300
Naphthalene	70	1.9	6.4	14	12,000
p-Isopropyltoluene	13	0.25	0.28	nd	10,000
n-Propylbenzene	18	nd	nd	nd	3,900
Toluene	1.3	nd	0.87	nd	700
1,3,5-Trimethylbenzene	33	nd	0.57	0.52	8,400
1,2,4-Trimethylbenzene	160	0.40	3.0	0.76	3,600
p/m-Xylenes	5.4	nd	nd	nd	260
o-Xylene	1.4	nd	0.54	nd	260
Cyclohexane	7.7	3.1	0.6	0.72	NS
Methylcyclohexane	35	12	8.5	2.4	NS
Semi-VOCs via EPA 8270C					
Anthracene	120	nd	61	430	100,000
Acenaphthene	140	nd	70	330	20,000
Acenaphthylene	35	nd	nd	120	100,000
Benzo(a)anthracene	160	41	120	780	1,000
Benzo(a)pyrene	61	nd	54	430	1,000
Benzo(b)Fluoranthene	43	nd	37	880	1,000
Benzo(k)Fluoranthene	nd	nd	nd	220	800
Chrysene	240	60	250	1300	1,000
Benzo(ghi)perylene	42	nd	28	270	100,000
Dibenzo(a,h)anthracene	nd	nd	nd	100	330
Fluoranthene	55	nd	47	1200	100,000
Fluorene	150	34	130	nd	30,000
Ideno(1,2,3-cd)pyrene	nd	nd	310	320	500
Phenanthrene	730	88	150	1000	100,000
Pyrene	210	51	160	1300	100,000
PCB's					
Aroclor 1268	nd	nd	nd	15.8	1,000
Total PCB's	nd	nd	nd	15.8	1,000
Metals					
Arsenic	5.58	-	5.42	37.2	16 (16)
Barium	26.6	-	42.7	33.6	350 (500)
Cadmium	0.212	-	0.226	0.526	2.5 (7.5)

Chromium	11.2	-	13.3	21.2	36 (1500)
Mercury	nd	-	0.048	0.123	0.73 (0.73)
Lead	8.48	-	13.7	65.8	400 (450)
Silver	nd	-	nd	nd	8.3 (8.3)
Selenium	0.655	-	0.885	3.93	4 (4)

nd -indicates below the method detection limit

ug/kg -indicates micrograms of contaminant per kilogram of soil or parts per billion (ppb)

mg/kg -indicates milligrams of contaminant per kilogram of soil or parts per million (ppm)

BOLD result exceeds NYS DEC CP51 Recommended Soil Cleanup Objectives (Residential)

standard criteria and guidelines; SVOCs from CP51 list.

SCOs for organic contaminants (volatile organic compounds, semi-volatile organic compounds, and pesticides) are capped at 100 ppm for residential use, 500 ppm for commercial use, 1000 ppm for industrial use. SCOs for metals are capped at 10,000 ppm.

NS = No NYSDEC standards or guidance values have been set for these compounds

(-) in a results space indicates that this sample was not analyzed for this parameter

TABLE 3B: SUMMARY OF DETECTED COMPOUNDS IN SOIL BORING SAMPLES

Target Compounds	B-13 10-15 Ft (ug/kg) L2144034-05	B-19, 15-20 Ft (ug/kg) L2144034-06	B-20, 16-18 Ft (ug/kg) L2144034-07	NYS DEC Cleanup Objective (ug/kg)
VOCs via EPA 8260B				
Acetone	nd	13	9.7	50
n-Butylbenzene	0.28	nd	nd	12,000
sec-Butylbenzene	nd	0.40	0.33	11,000
tert-Butylbenzene	nd	nd	0.58	5,900
Chlorobenzene	nd	nd	0.34	1,100
Ethylbenzene	nd	0.37	nd	1,000
Isopropylbenzene	nd	0.14	nd	2,300
Naphthalene	nd	nd	1.8	12,000
n-Propylbenzene	nd	0.22	nd	3,900
1,2,4-Trimethylbenzene	nd	0.34	0.44	3,600
Methylcyclohexane	nd	0.93	0.71	NS
Semi-VOCs via EPA 8270C				
Benzo(a)anthracene	nd	nd	76	1,000
Chrysene	nd	nd	96	1,000
Pyrene	nd	nd	99	100,000
PCB's				
Total PCB's	nd	nd	nd	1,000
Metals				mg/Kg
Arsenic	-	6.18	-	16 (16)
Barium	-	26.7	-	350 (500)
Cadmium	-	0.245	-	2.5 (7.5)
Chromium	-	13.4	-	36 (1500)
Mercury	-	nd	-	0.73 (0.73)
Lead	-	8.54	-	400 (450)
Silver	-	0.127	-	8.3 (8.3)
Selenium	-	0.616	-	4 (4)

nd -indicates below the method detection limit

ug/kg -indicates micrograms of contaminant per kilogram of soil or parts per billion (ppb)

mg/kg -indicates milligrams of contaminant per kilogram of soil or parts per million (ppm)

BOLD result exceeds NYS DEC CP51 Recommended Soil Cleanup Objectives (Residential)

standard criteria and guidelines; SVOCs from CP51 list.

SCOs for organic contaminants (volatile organic compounds, semi-volatile organic compounds, and pesticides) are capped at 100 ppm for residential use, 500 ppm for commercial use, 1000 ppm for industrial use. SCOs for metals are capped at 10,000 ppm.

NS = No NYSDEC standards or guidance values have been set for these compounds

(-) in a results space indicates that this sample was not analyzed for this parameter

This analysis did identify the presence of PCB's, only in the sample from Boring B-8 and substantially below the 1,000 parts per billion cleanup standard, reported at 15.8 parts per billion (or ug/kg).

Four of the seven soil boring samples were additionally analyzed for the presence of the RCRA list of eight heavy metals. The RCRA-8 heavy metals are the most commonly heavy metals used and regulated in industry and are therefore a common group of metals used to determine if a heavy metals contamination issue exists in soil as compared to the typical background concentrations of these metals normally found in soils of the US. This analysis generally determined that the heavy metals concentrations were consistently below the normal background ranges of concentrations of the metals, typically found in non-contaminated soil conditions. The one exception to this was the concentration of arsenic found in the sample from boring B-8, reported as 37.2 PPM, as compared to the normal high concentration of 16 PPM typically found in uncontaminated soils. This same sample similarly had the highest concentrations of semi-volatile organic petroleum compounds (near but below cleanup standards) and also exceeded the VOC limit for acetone. As such, it is presumed that some industrial uses of the property in this area may have led to the elevated concentrations of these compounds in the boring B-8 area.

4.3.1 GROUNDWATER INVESTIGATION

Groundwater monitoring wells were installed in all twenty of the site test borings after the soil sampling was completed. Sampling points were constructed by installing 1-inch PVC well screen and riser into the boreholes to provide a screened water column for sample collection. Ten feet of 0.020" slotted one-inch PCV well screen with a bottom plug and solid 1-inch PVC riser was installed into each of the borings immediately following removal of the Geoprobe soil sampling tooling. Well screen was packed with silica sand in the annular space around the well screen and was sealed above the well screen with hydrated bentonite clay to prevent surface water infiltration into the wells. Wells were all completed at the ground surface with curb boxes cemented into the ground with a small concrete surface pad. Monitoring well locations are shown on Figure 2 of this report.

Groundwater was encountered in all of the test borings installed on the site. A survey of groundwater elevations for the twenty site monitoring wells confirms that the flow of groundwater across the site is generally westward toward the Hudson with some local variations as indicated on Figure 4.

All groundwater sampling points were sampled with the use of a peristaltic pump and dedicated tubing. Site monitoring wells were sampled approximately two weeks after installation by slowly purging a minimum of three or more well volumes of water from each well (until turbid silt conditions were not observed and the well water maintained clear water flow) and then collecting grab samples. For VOC analysis, samples were collected in laboratory provided 40mL VOA vials preserved with HCl acid, and the samples were then placed in a cooler and preserved with ice for transport to the testing laboratory. Dedicated clean tubing was used for each well to ensure against cross contamination between wells. Samples for SVOC analysis and metals, where indicated, were collected in containers provided from the laboratory for those specific analysis, and similarly preserved for transport to the laboratory.

4.3.2 Laboratory Sample Analysis

A total of twenty groundwater samples, one from each monitoring well, were collected and then analyzed in an environmental testing laboratory for VOCs by EPA Method 8260. Additional samples for semi-volatile petroleum compound analysis, PCB's and metals were also collected and analyzed as indicated in select wells where oil or other petroleum conditions were apparent during field screening. VOC analytes detected in the groundwater samples are summarized below in Tables 4A-4D. The following sampling/analysis, in addition to VOC's (performed in all monitoring wells) was performed.

Monitoring Well

MW-2
MW-11
MW-17
MW-18

Condition Observed

Oily contamination in test boring soil samples (SVOC's and PCB's)
Oily contamination in test boring soil samples (SVOC's and PCB's)
Downgradient of historic electrical substation
Downgradient of historic electrical substation

TABLE 4A: SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES

Target Compounds	MW-1 GW, L2146038-01 (ug/L)	MW-2 GW, L2146038-02 (ug/L)	MW-3 GW, L2146038-03 (ug/L)	MW-4 GW, L2147161-01 (ug/L)	MW-5 GW, L2146038-04 (ug/L)	NYS DEC Groundwater Standards (ug/L)
VOCs via EPA 8260						
Acetone	3.6	nd	nd	nd	nd	50
1,1-Dichloroethane	nd	nd	nd	4.7	nd	5
Isopropylbenzene	1.5	nd	nd	nd	nd	5
Toluene	nd	nd	nd	nd	0.70	5
1,1,1-Trichloroethane	nd	nd	nd	32	nd	5
Cyclohexane	3.9	1.8	nd	nd	nd	NS
Methyl Cyclohexane	4.7	0.92	nd	nd	nd	NS
Semi-VOCs via EPA 8270C						
Anthracene	-	0.30	-	-	-	50
Acenaphthene	-	0.70	-	-	-	5.3
Acenaphthylene	-	0.11	-	-	-	NS
Benzo(a)anthracene	-	0.33	-	-	-	0.002
Benzo(a)pyrene	-	0.20	-	-	-	ND
Benzo(b)Fluoranthene	-	0.14	-	-	-	0.002
Benzo(k)Fluoranthene	-	0.03	-	-	-	0.002
Chrysene	-	0.71	-	-	-	0.002
Benzo(ghi)perylene	-	0.12	-	-	-	NS
Dibenzo(a,h)anthracene	-	0.06	-	-	-	NS
Fluoranthene	-	0.17	-	-	-	50
Fluorene	-	0.86	-	-	-	50
Ideno(1,2,3-cd)pyrene	-	0.04	-	-	-	0.002
Naphthalene	-	0.17	-	-	-	13
Phenanthrene	-	0.89	-	-	-	50
Pyrene	-	0.61	-	-	-	50
PCB's						
Total PCB's	-	nd	-	-	-	0.09

TABLE 4B: SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES

Target Compounds	MW-6 GW, L2146038-05 (ug/L)	MW-7 GW, L2146038-06 (ug/L)	MW-8 GW, L2146038-07 (ug/L)	MW-9 GW, L2146038-08 (ug/L)	MW-10 GW, L2146038-09 (ug/L)	NYS DEC Groundwater Standards (ug/L)
VOCs via EPA 8260						
Acetone	nd	nd	nd	nd	1.6	50
Toluene	0.79	nd	nd	nd	nd	5
Cyclohexane	0.51	nd	nd	nd	nd	NS

TABLE 4C: SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES

Target Compounds	MW-11 GW, L2146038-10 (ug/L)	MW-12 GW, L2146038-11 (ug/L)	MW-13 GW, L2146038-12 (ug/L)	MW-14 GW, L2146038-13 (ug/L)	MW-15 GW, L2146038-14 (ug/L)	NYS DEC Groundwater Standards (ug/L)
VOCs via EPA 8260						
Acetone	nd	1.5	nd	nd	nd	50
Chloroform	nd	nd	nd	1.3	nd	7
Semi-VOCs via EPA 8270C						
Bis(2-ethylhexyl)phthalate	5.1	-	-	-	-	5
Phenanthrene	0.04	-	-	-	-	50
Dibenzo(a,h)anthracene	0.01	-	-	-	-	NS
Ideno(1,2,3-cd)pyrene	0.01	-	-	-	-	0.002
PCB's						
Total PCB's	nd	-	-	-	-	0.09

TABLE 4D: SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES

Target Compounds	MW-16 GW, L2146038-15 (ug/L)	MW-17 GW, L2146038-16 (ug/L)	MW-18 GW, L2146038-17 (ug/L)	MW-19 GW, L2146038-18 (ug/L)	MW-20 GW, L2146038-19 (ug/L)	NYS DEC Groundwater Standards (ug/L)
VOCs via EPA 8260						
Acetone	3.8	nd	nd	nd	2.7	50
Carbon disulfide	nd	nd	nd	nd	3.0	60
1,1,1-Trichloroethane	nd	nd	nd	0.71	nd	5
PCB's						
Total PCB's	-	nd	nd	-	-	0.09

ND = indicates that compounds were not detected

ug/kg -indicates micrograms of contaminant per Kilogram of Soil or Parts Per Billion

Highlighted result exceed NYS DEC Groundwater Quality Standards; SVOCs analyzed for CP51 list.

NS = No Standard

(-) in a results space indicates that this sample was not analyzed for this parameter

5.0 HISTORIC SUBSTATION INVESTIGATION

An electrical substation was historically present to the east of Building 5 and south of Building 11. Use of this substation was discontinued and apparently dismantled sometime after the mill operations left in the 1960's and during use of the subsequent use of the property as the Hilton Center, when transformers were installed on power utility poles and power was redirected directly to the site buildings via overhead low voltage lines. The foundation of the substation and concrete surface pads where transformers were mounted are still present in this area and soil/gravel is

present within the concrete foundation and around the transformer pads. As a screening to determine if there is evidence of PCB oil spills from historic transformers in this area, shallow soil samples were collected adjacent to transformer pads, within the foundation, one near a southern pad and one near a northern pad in the containment area. This area was heavily overgrown at the time of the sampling which substantially limited observation and access to the ground surface in the containment area.

Sampling was performed by hand digging and collecting a 0-1 foot deep soil sample next to the western side of each of these transformer pads. No oily staining was obvious in the soil when collected. The samples were collected into laboratory provided soil jars, refrigerated for transport to the testing lab. Samples were analyzed for the presence of poly aromatic hydrocarbon (PAH) semi-volatile organic compounds (SVOC's) by EPA test method 8270, and for Polychlorinated Biphenyls (PCB's) by EPA test method 8082.

Laboratory Soil Sample Analysis

Sample analysis results for two soil samples collected from 0-1 foot of depth within the former electrical substation concrete enclosure did not indicate the presence of petroleum or PCB contamination. This sampling and analysis did not indicate impacts from historic PCB and petroleum transformer oil spills that can occur in these substation areas.

TABLE 5: SUMMARY OF SVOC & PCB COMPOUNDS IN SOIL SAMPLES AT SUB-STATION

Target Compounds	SubSta-1 (ug/kg) L2144034-03	SubSta-2, (ug/kg) L2144034-04	NYS DEC Cleanup Objective (ug/kg)
VOCs via EPA 8260B			
Trichloroethene	1.0	0.26	470
Semi-VOCs via EPA 8270C, CP51 List			
Anthracene	nd	nd	100,000
Benzo(a)anthracene	nd	nd	1,000
Benzo(a)pyrene	nd	nd	1,000
Benzo(b)Fluoranthene	nd	nd	1,000
Benzo(k)Fluoranthene	nd	nd	800
Chrysene	nd	nd	1,000
Benzo(ghi)perylene	nd	nd	100,000
Fluoranthene	nd	nd	100,000
Fluorene	nd	nd	30,000
Ideno(1,2,3-cd)pyrene	nd	nd	500
Phenanthrene	nd	nd	100,000
Pyrene	nd	nd	100,000
PCB's			
Total PCB's	nd	nd	1,000

nd -indicates below the method detection limit;

ug/kg -indicates micrograms of contaminant per kilogram of soil or parts per billion (ppb)

BOLD result exceeds NYS DEC CP51 Recommended Soil Cleanup Objectives (Residential) standard criteria and guidelines; SVOCs from CP51 list.

6.0 STORMWATER SYSTEM INVESTIGATION

The site has an extensive network of storm drains that appear to interconnected and ultimately discharge to the Hudson River to the west of the SP. Multiple drain pipes reportedly traverse beneath the railroad to the west of the SP and daylight at the edge of the river. These pipes originate at catch basins along the west side of the westernmost site buildings and then discharge to the river. Multiple catch basins are present along the western and central site access roads. Floor drains are also present in most of the site buildings and it is believed, although not confirmed, that these floor drains discharge into the storm drain pipes and also ultimately into the river. A dye trace study was performed in January of 1989 for the NYSDEC at the SP in an effort to understand how some of these drains interconnect and how they discharge to the river. This study was performed to understand how oil found discharging into the river may have been originating from the Jelliff Corporation, then operating from the SP and using large quantities of oil within site Building #5. The study did identify some level of interconnection of building drains into the storm drainage system. In addition to this drainage system, a 100,000-gallon sub-grade concrete storage tank is present at the southwest corner of Building #5. It is also presumed that his tank is somehow interconnected with the storm drain system and sampling was also performed in this tank from a manhole on the top of the tank.

Sampling was performed as follows on September 10, 2021. Sampling locations are indicated on Figure 2 of this report.

The 100,000-gallon storage tank was accessed through a manhole at the southeast corner of the tank. Water within the tank was pumped out with a peristaltic pump and containers were filled for testing. Sediment testing within this tank was also proposed, but upon accessing the tank, no obvious accumulation of sediment was identified. Scrap metal pipes and other metal and concrete was piled on the bottom of the tank, obstructing access to the bottom, but no obvious sediment was observed. Water in the tank was measured at a depth of 6-feet from the top of the manhole. The water in the tank was estimated to be three to four feet deep, but the bottom could not be confirmed due to the presence of excess debris in the bottom. The water sample was designated as "SW-Tank".

One storm drain was sampled near the west side of Building #6 (Figure 2) and this drain was used as a spot sampling of drains along the west or downgradient of side of the site building complex. Multiple additional drains are also present along this side of the building, but most were not functional and were covered with upside down empty 55-gallon drums at the time of this investigation. Water and sediment samples were collected from this drain for laboratory analysis. Samples were designated as storm drain #1 or "SW-DR-1". Water within the drain was pumped out with a peristaltic pump and containers were filled for testing. Sediment was directly scooped out with a shovel and transferred into sample containers. Approximately one foot of water depth was present in the drain at approximately one-foot down from the surface grade, sediment therefore was approximately 2-feet deep from grade. Drain discharge piping was present above the sediment level.

A second storm drain is present near the northwest corner of Building #10 (Figure 2). Sediment from his drain was sampled in the same way as storm drain 1 (above) and was designated as SW-DR-2". No water was present in the drain at the time of sampling. The top of sediment was approximately three feet below ground level and drainage pipes were present in the side of the drain basin above the sediment.

Laboratory Soil Sample Analysis

Soil sample laboratory analysis results indicate the presence of low concentrations of VOC's and SVOC compounds in storm drain sediments. Minor exceedances of some SVOC compounds were identified in the storm drain sediments. Low concentrations of PCB's and heavy metals, below cleanup standards, were also present in these sediment samples. There was no visual or odorous evidence of contamination in these sediments.

TABLE 6A: SUMMARY OF VOC, SVOC, & PCB COMPOUNDS IN STORM DRAIN SEDIMENT

Target Compounds	SW-DR-1, (ug/kg) L2149063-02	SW-DR-2 (ug/kg) L2149063-06	NYS DEC Cleanup Objective (ug/kg)
VOCs via EPA 8260B			
Acetone	6.9	nd	50
Trichloroethene	nd	4.6	470
Semi-VOCs via EPA 8270C CP-51 List			
Acenaphthene	44	180	98,000
Naphthalene	39	290	12,000
Bis(2-ethylhexyl)phthalate	230	62	50,000
Butyl benzene phthalate	280	nd	100,000
Anthracene	140	370	100,000
Benzo(a)anthracene	420	1,100	1,000
Benzo(a)pyrene	390	1,000	1,000
Benzo(b)Fluoranthene	560	1,400	1,000
Benzo(k)Fluoranthene	150	420	800
Chrysene	420	1,000	1,000
Benzo(ghi)perylene	260	690	100,000
Fluoranthene	790	2,100	100,000
Fluorene	50	210	30,000
Dibenzo(a,h)anthracene	66	160	330
Ideno(1,2,3-cd)pyrene	290	750	500
Phenanthrene	550	1,700	100,000
Pyrene	630	1,800	100,000
Dibenzofuran	34	150	NS
2-Methylnaphthalene	nd	74	410
Carbazole	80	290	NS
PCB's			
Aroclor 1268	10.6	nd	1,000
Aroclor 1260	5.64	nd	1,000
Total PCB's	16.2	nd	1,000
Metals	mg/kg	mg/kg	mg/kg
Arsenic	5.01	3.08	16 (16)
Barium	51.3	50.6	350 (500)
Cadmium	1.02	nd	2.5 (7.5)
Chromium	18.8	11.1	36 (1500)
Mercury	0.136	nd	0.73 (0.73)
Lead	51.6	15.2	400 (450)
Silver	nd	0.130	8.3 (8.3)
Selenium	0.268	0.185	4 (4)

TABLE 6B: SUMMARY OF DETECTED VOC, SVOC, & PCB COMPOUNDS IN STORM DRAIN WATER

Target Compounds	SW-TANK (ug/liter) L2149063-01	SW-DR-1, (ug/liter) L2149063-05	NYS DEC Cleanup Objective (ug/liter)
VOCs via EPA 8260B			
2-Butanone (MEK)	nd	1.9	120
Chloroform	nd	1.4	7
tetrachloroethylene	nd	0.28	5
PCBs			
Total PCB's	nd	-	0.09

nd -indicates below the method detection limit; - indicates sample not analyzed for the compound

ug/kg -indicates micrograms of contaminant per kilogram of soil or parts per billion (ppb)

mg/kg -indicates milligrams of contaminant per kilogram of soil or parts per million (ppm)

BOLD result exceeds NYS DEC CP51 Recommended Soil Cleanup Objectives (Residential) standard criteria and guidelines; SVOCs from CP51 list.

SCOs for organic contaminants (volatile organic compounds, semi-volatile organic compounds, and pesticides) are capped at 100 ppm for residential use, 500 ppm for commercial use, 1000 ppm for industrial use. SCOs for metals are capped at 10,000 ppm.

NS = No NYSDEC standards or guidance values have been set for these compounds

Stormwater in the large holding tank was free of VOC and SVOC contaminants, and levels of VOC contamination, substantially below groundwater quality standards, were detected in the DR-1 storm drain. None of these impacts suggest that the storm drain system is an ongoing source of site soil or groundwater contamination. Maintenance of these drains including removal and disposal of accumulated sediments, would serve to remove these remnant contaminants from the SP.

7.0 CONCLUSIONS

Alpine Environmental Services, Inc. has completed a Phase II ESA of soil, soil gas, and groundwater quality of shallow subsurface conditions in the above described areas of this Subject Property (SP), to determine if Recognized Environmental Conditions (REC's) identified during the Phase I ESA investigation have adversely impacted soil, soil gas, or groundwater on the SP. Issues of concern raised as Recognized Environmental Conditions in the Phase I ESAs were addressed during this Phase II ESA and the following conclusions are provided:

7.1 Soil Vapor Intrusion Investigation

The Soil Vapor Intrusion (SVI) investigation was performed to determine if concerns identified during the prior environmental assessment at the SP have adversely impacted soil vapor quality beneath the SP, and if those impacts are likely to impact the indoor air of SP building tenant spaces, and to determine if mitigation to reduce VOC's from entering the building from the soil vapor intrusion may be necessary.

NYSDOH Regulatory Guidelines

At the time of this assessment, the site buildings were not heated and the buildings were substantially damaged with many windows broken and large air gaps in walls and doors, allowing outside air to flow through building areas. As a result of the building condition, Alpine determined that indoor air sampling could not be performed in a way that would allow for a valid comparison

to the New York State Department of Health (NYSDOH) vapor intrusion study regulatory guidelines. In an effort to make some determination relative to the threat of vapor intrusion into future restored building areas, Alpine did perform sub-slab soil gas sampling in representative lower level building areas. Since indoor air samples were not collected, comparison to NYSDOH decision matrices for the eight listed VOCs could not be performed. Alternatively, soil gas results were compared to US EP Vapor Intrusion Screening Levels for sub slab and near slab soil gas for residential use.

EPA Vapor Intrusion Screening Levels (VISL)

Multiple VOC compounds were detected in the sub-slab soil gas samples, with most of the detected VOCs occurring below the target screening level. The following chemicals were present in sub-slab soil gas, in excess of the EPA VISL target concentrations for soil gas.

Building 1: No VOCs were detected above the target screening levels in the sub-slab soil gas in this building.

Building 4: Chloroform was detected at concentrations above both the residential and commercial target screening levels. Ethylbenzene was detected above the residential target screening level. This was the only building area where a commercial screening level was also exceeded.

Building 5: Ethylbenzene was detected above the residential target screening level.

Building 6: Ethylbenzene was detected above the residential target screening level.

Building 7: Shallow groundwater immediately beneath the building slab prevented collection of soil gas samples.

Building 8: Shallow groundwater immediately beneath the building slab prevented collection of valid soil gas samples.

Building 9: Benzene, ethylbenzene and carbon tetrachloride were detected above the residential target screening level.

Building 10: Benzene, 1,3-butadiene, ethylbenzene and p/m xylene were detected above the residential target screening level.

Building 11: Benzene, ethylbenzene and p/m xylene were detected above the residential target screening level.

Sub slab soil gas test results from Building 1 suggest residential use indoor air screening levels will not be exceeded in the building. Sub slab soil gas test results from Building 4, 5, 6, 9, 10, and 11 suggest vapor intrusion is likely to occur. Vapor mitigation in these buildings is likely necessary dependent on building usage (except Building 4). An engineered sub-slab depressurization system could be designed and installed during the building renovation process to ensure that vapor intrusion is minimized in each of the buildings with soil gas exceedances of the target screening levels.

Buildings 7 and 8 should be assumed to exceed the target screening level for VOCs in soil gas and treated accordingly when renovations occur. Additional considerations for shallow groundwater should be considered when planning renovations and vapor mitigation for these buildings as sub slab depressurization, the most common vapor mitigation technique, is incompatible with a near slab water table. Should the groundwater below these floor slabs be lowered, testing may be an option to further evaluate the potential for vapor intrusion in these two buildings.

7.2 Soil and Groundwater Quality Investigation

Analysis of some site soil samples indicated the presence of volatile organic compounds and semi-volatile organic compounds, most petroleum in nature, in multiple locations on the SP.

The following impacts to soil and groundwater quality are discussed by the area of the SP where the impacts were identified:

7.2.1 Building 1 Area: A #6 heating oil storage tank was identified along the southwest side of Building 1 (Figure 3). Oily contamination which appeared to be #6-heating fuel oil was observed in test borings and in monitoring wells MW-1 and MW-2 along the western or downgradient side of this tank as well as test boring/monitoring well MW-20, at the northeastern corner of this building. Free phase oil was observed in borings B-1 and B-2 and in excavations when this tank was removed. This condition was reported to the New York State Department of Environmental Conservation (NYSDEC) at the time of discovery and was assigned NYSDEC petroleum spill ID #2104385. The NYSDEC was present during the tank removal and indicated that the presence of free phase product (free oil in the soil and floating on the groundwater) is a condition that will require remedial action to, at the very least, remove the presence of the free phase product from the spill area. Additional exploration will be necessary in this area of the site to determine the size of the impacted area, and determine the extent of remedial actions, including the recovery of free phase oil from the ground, that will be necessary to meet NYSDEC cleanup objectives and close this spill. The closure (removal) of this storage tank and the steps to investigate and remediate this spill will be addressed subsequent to this Phase II ESA and will be addressed with separate reporting as this process progresses.

7.2.2 Fill Area North End of SP: A series of test pits were excavated in the northern end of the SP where fill was reportedly placed on the SP during historic site ownership. Soil was screened in these test pits and samples were submitted to a testing laboratory from test pits where evidence of petroleum or chemical impacts appeared evident through field screening. Soil samples were submitted from test pits TP-1, TP-9 and TP-11. No contaminants exceeding NYSDEC soil cleanup standards were identified in the soil sample analyzed from test pit TP-9. Test pits TP-1 and TP-11 are adjacent in this area and both were found to be impacted by odorous and oily contaminated soil conditions, generally below six feet of depth. Laboratory analysis of soil samples identified the presence of volatile organic compounds in this test pit area above cleanup standards for acetone, MEK and Toluene, PCBs, and heavy metals (barium, cadmium, chromium, and lead). Groundwater monitoring well MW-11 was placed in the vicinity of test pit TP-1 and the water sample was found to exceed NYSDEC groundwater quality standards for Bis-(2-ethylhexyl)Phthalate, a semi-volatile organic compound. It appears that contaminated soil, or some source of waste that has contaminated the soil in this area, was buried in this portion of the fill area and has contaminated the deep soils to levels that are likely to require mitigative measures. This condition is also a reportable spill and must be reported to NYSDEC as a spill separate from the underground storage tank spill on the south end of the site. Additional sampling will be necessary to fully delineate the depth and aerial extent of this contamination and determine how the waste can be properly remediated. It is likely that the impacted materials will have to be excavated, characterized for disposal, and transported to a licensed waste disposal facility. If some source of leaking contaminant is discovered (examples are buried waste drums or transformers etc.), the source or sources must be identified and similarly contained and disposed.

7.2.3 Test Boring B-8 Area: Soil boring B-8 and Monitoring well MW-8 were placed along the west side of Buildings 6 and 7. Soil from this boring had oily staining and elevated PID readings, demonstrating concerns for the presence of volatile and semi-volatile organic petroleum or other similar contaminants. The sample was analyzed and concentrations of acetone, chrysene and

arsenic were all found to exist in the soil at concentrations above the NYSDEC cleanup standards for these contaminants. Other petroleum related semi-volatile petroleum compounds were also present at concentrations just below the cleanup standard, indicating the presence of some type of oily petroleum in the soil. This condition demonstrated a third area of the SP where a petroleum spill may have to be reported and investigated to determine if cleanup actions are necessary. Further investigation in this area will be necessary to determine the extent of this impact. If the extent of this impact is found to be more widespread, or soils with contaminants higher in concentration are discovered, a spill cleanup including excavation and disposal of contaminated soil may be required to meet NYSDEC spill cleanup standards.

7.2.4 Test Boring B-4 Area: Soil boring B-4 and monitoring well MW-4, and Boring B-19 and monitoring well MW-19, were installed in the area west and south of Building 4. A chlorinated volatile organic compound known as 1,1,1-trichloroethane (1,1,1-TCA) was detected in both of these wells. The groundwater quality standard for this compound is 5 parts per billion (ppb) and the standard was exceeded at 32 PPB in MW-4, and was present, but below the standard at 0.71 ppb in MW-19. Further investigation of groundwater quality in this area will be necessary to determine if there is an on-site source of this impact, or if the impact may be migrating onto the site from some up gradient off-site source. If an on-site source is found to be represent, some cleanup action may be necessary under NYSDEC regulatory oversight.

7.2.4 Historic Substation:

Sample analysis results for two soil samples collected from 0-1 foot of depth within the former electrical substation concrete enclosure did not indicate the presence of volatile organic compound or PCB contamination above current standards.

7.2.4 Storm Water System:

Soil sample analysis results indicate the presence of low concentrations of VOC's and SVOC compounds in storm drain sediments. Minor exceedances of some SVOC compounds were identified in the storm drain sediments. Low concentrations of PCB's and heavy metals, below cleanup standards, were also present in these sediment samples. There was no visual or odorous evidence of contamination in these sediments.

Stormwater in the large holding tank was free of VOC and SVOC contaminants and levels of VOC contamination, substantially below groundwater quality standards, were detected in the DR-1 storm drain. None of these impacts suggest that the storm drain system is an ongoing source of site soil or groundwater contamination. Maintenance of these drains including removal and disposal of accumulated sediments, would serve to remove these remnant contaminants from the SP.

All floor drains in site buildings should be cleaned of any residual waste that may be present in the drains and drain piping, and all drains must be either re-routed to appropriate and approved discharge locations (i.e. municipal sanitary sewer system) or abandoned by filling with concrete.

7.2.5 General Site Conditions:

This investigation was performed to assess specific areas of the SP where Recognized Environmental Conditions (RECs) were identified during the Phase I ESA, as well as to perform an overall screening of representative site areas to determine if there was evidence of typical

commercial and industrial petroleum and chemical contaminants. The assessment identified contaminant impacts in multiple areas as noted in these conclusions. Further assessment would be necessary to fully delineate the impacts in the areas identified. Because of the large scale and complexity of the property, and because of the extensive industrial history of use, there is some potential for localized impacts to areas between sampling points. If contaminated soil, groundwater, or subsurface tanks or structures impacted with contaminants are encountered during construction activities, it may be necessary to perform further focused assessments in these areas and to address localized conditions not meeting regulatory program requirements.

The two underground storage tanks identified, and the spill associated with the 20,000-gallon 6-oil tank must be properly registered and fully closed through the NYSDEC petroleum bulk storage program and the spill must be addressed and mitigated to the satisfaction of NYSDEC. This process has been initiated with the removal and initial registration of both tanks by the site owner, and remedial actions for the spill have been initiated at this time. This process is ongoing at the time of this report and these actions are to be overseen and documented by Alpine through a separate UST and petroleum spill closure report.

Certification

This report is certified to, and is intended for the sole and exclusive use of representatives of The BBL Construction Services LLC and BBL Barnet LLC, and their assigns, and may not be used or relied upon by others unless stated in writing. The findings of the report are limited to those specifically expressed in the report.

Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not expressly identified in the agreement, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to Alpine.

Limitations

Our findings and conclusions are based on information obtained from on-site field exploration and analytical services performed under the contract in the location and depths the sample(s) were obtained. This Limited Site Investigation was performed in accordance with the Scope of Services agreed with BBL Construction Services LLC and BBL Barnet LLC. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. Conditions other than described in this report may be found at the Investigation Parcel as expanded investigations are performed.

Alpine's services were performed in a manner consistent with generally accepted practices of environmental consulting services undertaken for a Limited Site Investigation for the property location and based on readily available information about the property. Alpine makes no warranty, expressed or implied, regarding the findings, conclusions or recommendations and Alpine does not warrant third party information such as testing laboratories. Alpine's and our subcontractor's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made. Specifically, Alpine

does not and cannot represent that the site contains no hazardous material, oil, or other latent condition beyond that observed by Alpine during its study.

Reasonable care was used in identifying and interpreting applicable codes and regulations necessary to execute our scope of work. These codes and regulations are subject to various, and possibly contradictory, interpretations. Interpretations and compliance with codes and regulations by other parties is beyond our control.

Closing

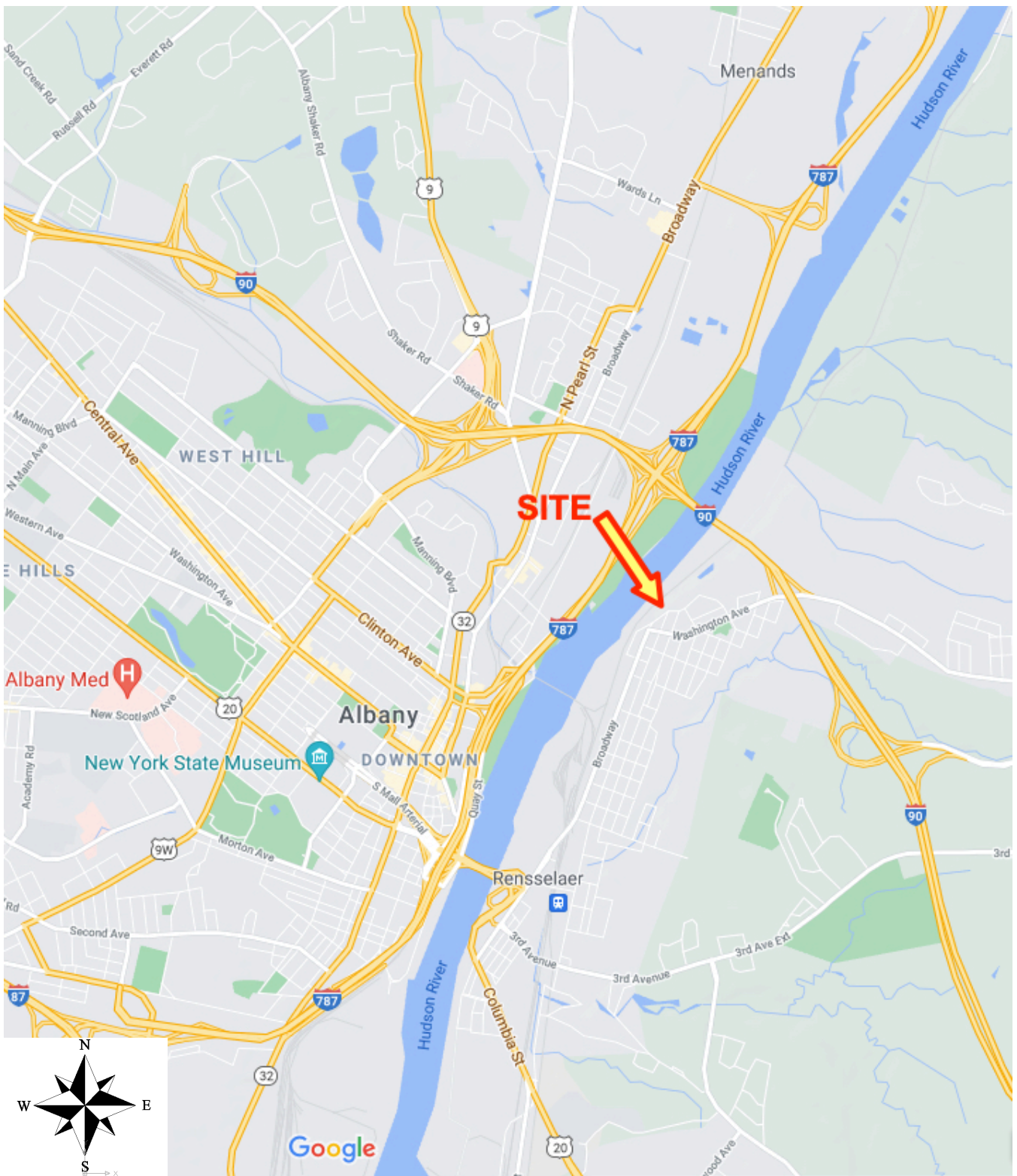
This Phase II Environmental Site Assessment was completed by a Qualified Environmental Professional as defined in The New York State Codes of Rules and Regulations (6 NYCRR) Part 375, which regulates the NYS Environmental Remediation Programs. The investigation was performed to address recognized environmental conditions and concerns raised during referenced prior Phase I Environmental Site Assessment conducted by Alpine, as referenced within the report.

Prepared by:

DRAFT

Kim L. Baines
Alpine Environmental Services, Inc.

FIGURES



Project: Barnet Mill Phase II ESA
DRAWING DATE SEPTEMBER, 2021
Project Number: 21-26694-E

FIGURE – 1 **SITE LOCATION**

**FIGURE – 2 GPR Survey
Map
(ATTACHED)**

Project: Barnet Mill Phase II ESA
DRAWING DATE SEPTEMBER, 2021
Project Number: 21-26694-E

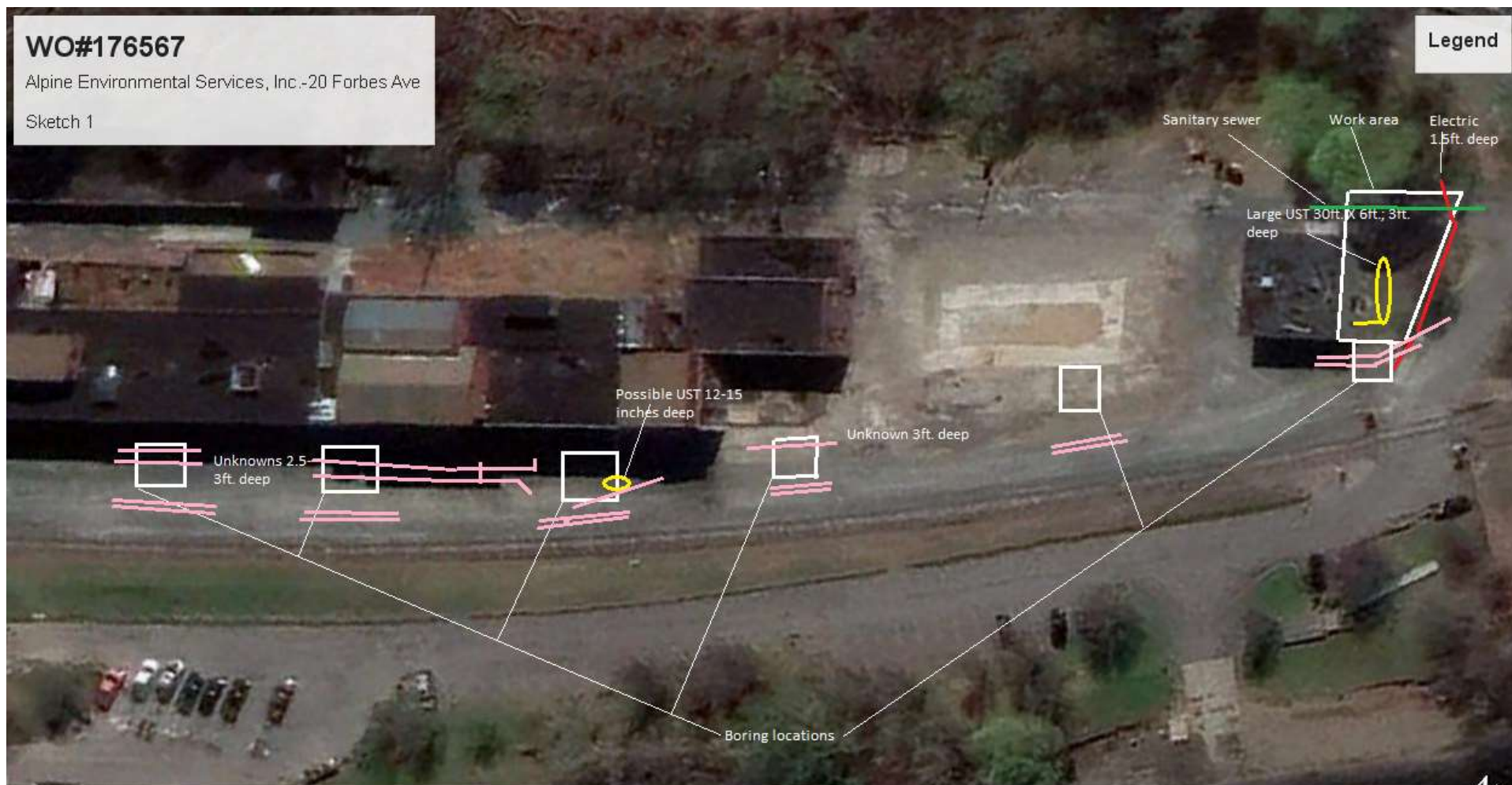


WO#176567

Alpine Environmental Services, Inc.-20 Forbes Ave

Sketch 1

Legend



Red - Electric power lines, conduit and street light cable	Yellow - Gas, Oil, Steam, petroleum or gaseous material	Orange - Communications, Fiber Optic, CATV, and/or alarm.	Blue - Potable water.	Purple - Reclaimed water, irrigation, and/or slurry lines	Green - Sewers and drains	Pink - Temporary survey marking or unknown structures	White - proposed excavation.

This is NOT to-scale

888-858-9830 / www.BHUG.com

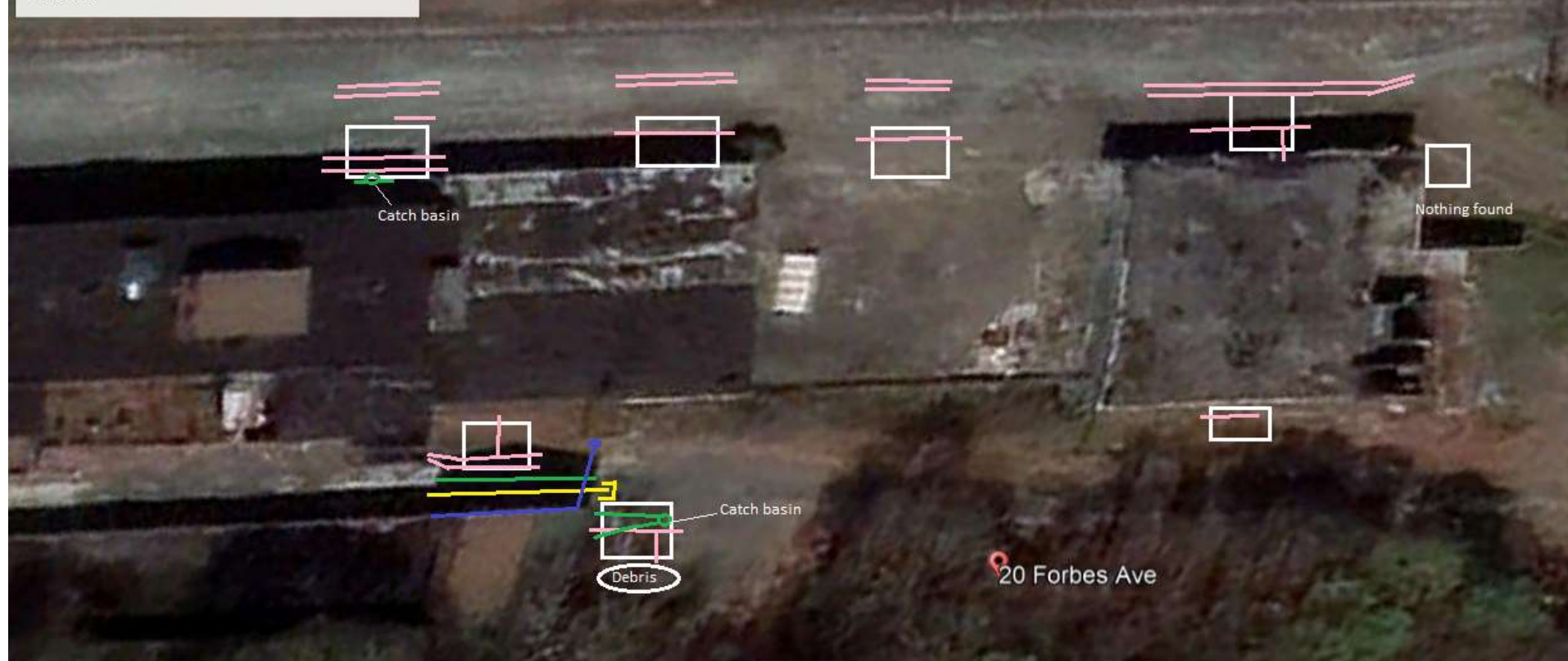


WO#176567

Alpine Environmental Services-20 Forbes Ave.
Sketch 2

Legend

📍 20 Forbes Ave



Red - Electric power lines, conduit and street light cable	Yellow - Gas, Oil, Steam, petroleum or gaseous material	Orange - Communications, Fiber Optic, CATV, and/or alarm.	Blue - Potable water.	Purple - Reclaimed water, irrigation, and/or slurry lines	Green - Sewers and drains	Pink - Temporary survey marking or unknown structures	White - proposed excavation.
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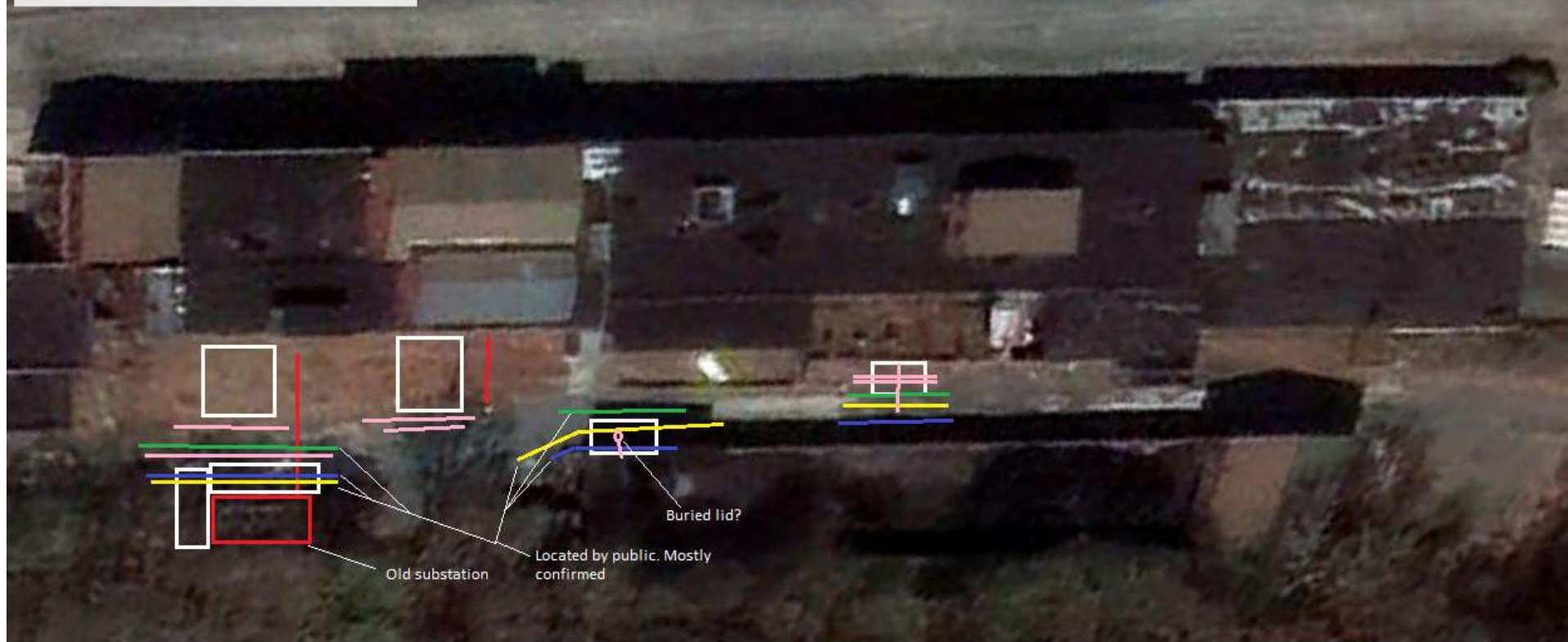


WO#176567

Alpine Environmental Services-20 Forbes Ave.
Sketch 3

Legend

📍 20 Forbes Ave



Red - Electric power lines, conduit and street light cable	Yellow - Gas, Oil, Steam, petroleum or gaseous material	Orange - Communications, Fiber Optic, CATV, and/or alarm.	Blue - Potable water.	Purple - Reclaimed water, irrigation, and/or slurry lines	Green - Sewers and drains	Pink - Temporary survey marking or unknown structures	White - proposed excavation.
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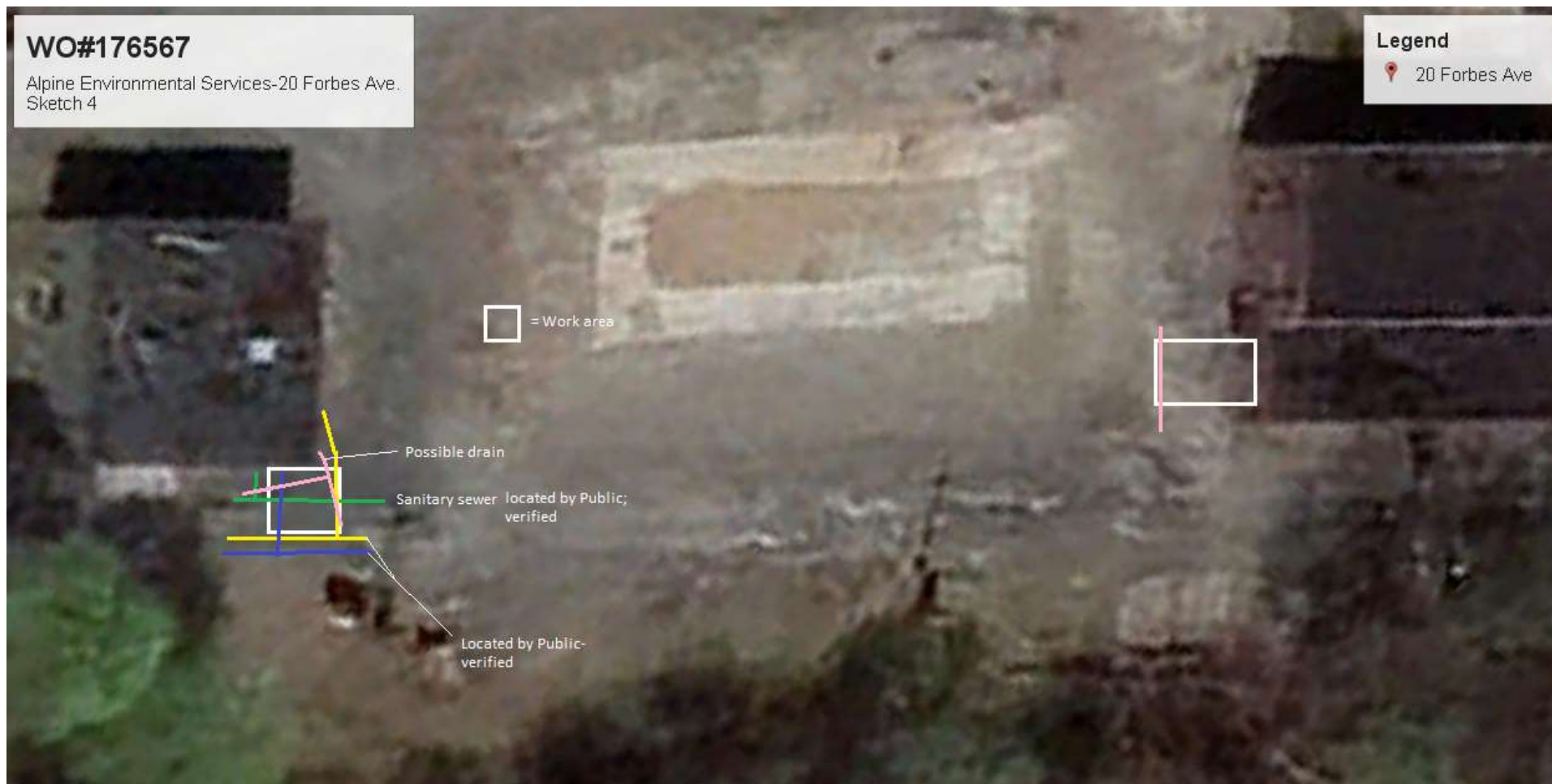


WO#176567

Alpine Environmental Services-20 Forbes Ave.
Sketch 4

Legend

📍 20 Forbes Ave



Red - Electric power lines, conduit and street light cable	Yellow - Gas, Oil, Steam, petroleum or gaseous material	Orange - Communications, Fiber Optic, CATV, and/or alarm	Blue - Potable water	Purple - Reclaimed water, irrigation, and/or stormy lines	Green - Sewers and drains	Pink - Temporary survey marking or unknown structures	White - proposed excavation

This is NOT to-scale

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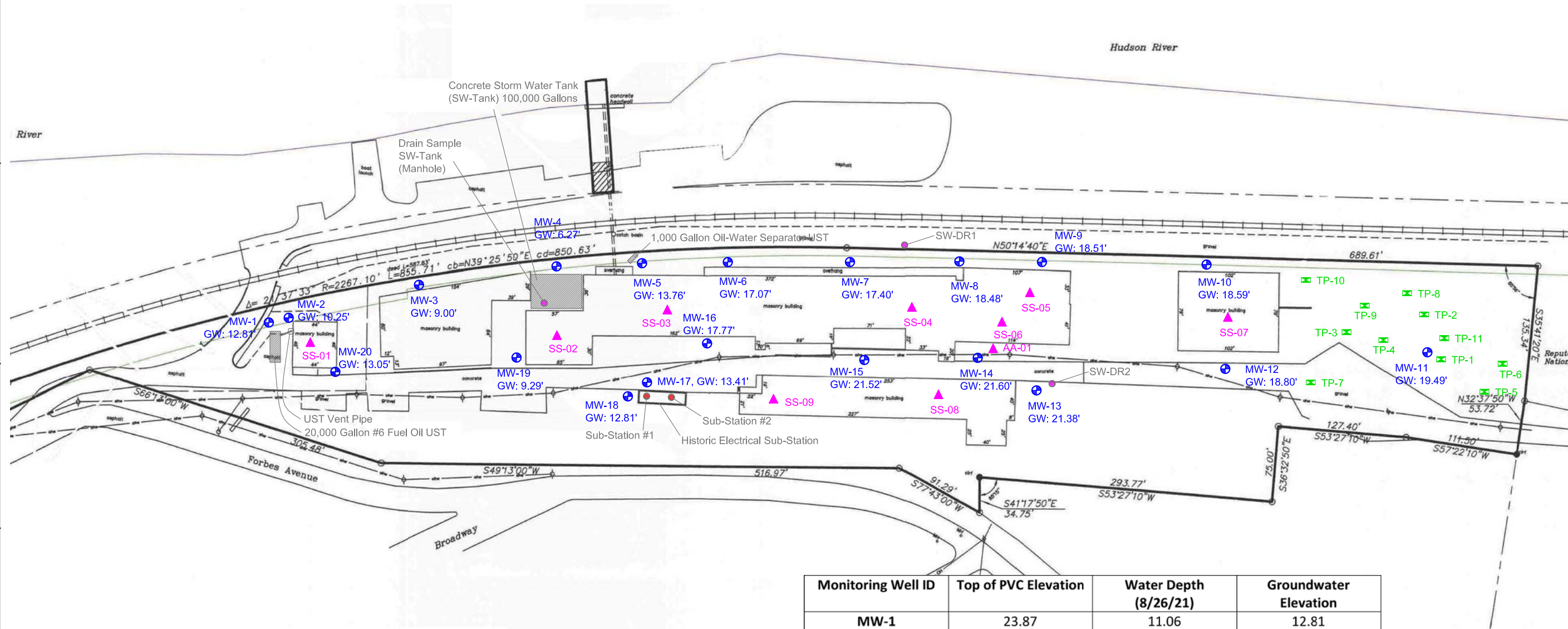


**FIGURE – 3 SAMPLING
LOCATIONS

(ATTACHED)**

Project: Barnet Mill Phase II ESA
DRAWING DATE SEPTEMBER, 2021
Project Number: 21-26694-E





LEGEND:

- MONITORING WELL LOCATION AND NUMBER
- SOIL GAS SAMPLE LOCATION AND NUMBER
- TEST PIT LOCATION AND NUMBER
- SOIL SAMPLE LOCATION
- DRAIN SAMPLE LOCATION

Monitoring Well ID	Top of PVC Elevation	Water Depth (8/26/21)	Groundwater Elevation
MW-1	23.87	11.06	12.81
MW-2	23.30	13.05	10.25
MW-3	21.40	12.40	9.00
MW-4	20.18	13.91	6.27
MW-5	20.20	6.44	13.76
MW-6	19.87	2.80	17.07
MW-7	19.65	2.25	17.40
MW-8	19.74	1.26	18.48
MW-9	20.30	1.73	18.57
MW-10	21.93	3.34	18.59
MW-11	35.39	15.90	19.49
MW-12	34.65	15.85	18.80
MW-13	33.77	12.39	21.38
MW-14	34.52	12.92	21.60
MW-15	35.75	14.23	21.52
MW-16	27.94	10.17	17.77
MW-17	27.16	13.75	13.41
MW-18	27.16	14.35	12.81
MW-19	21.90	12.61	9.29
MW-20	24.32	11.27	13.05

DATE:
September 2021

Barnet Mills
20 Forbes Avenue
Rensselaer, New York

PROJECT NO: 21-26694-E

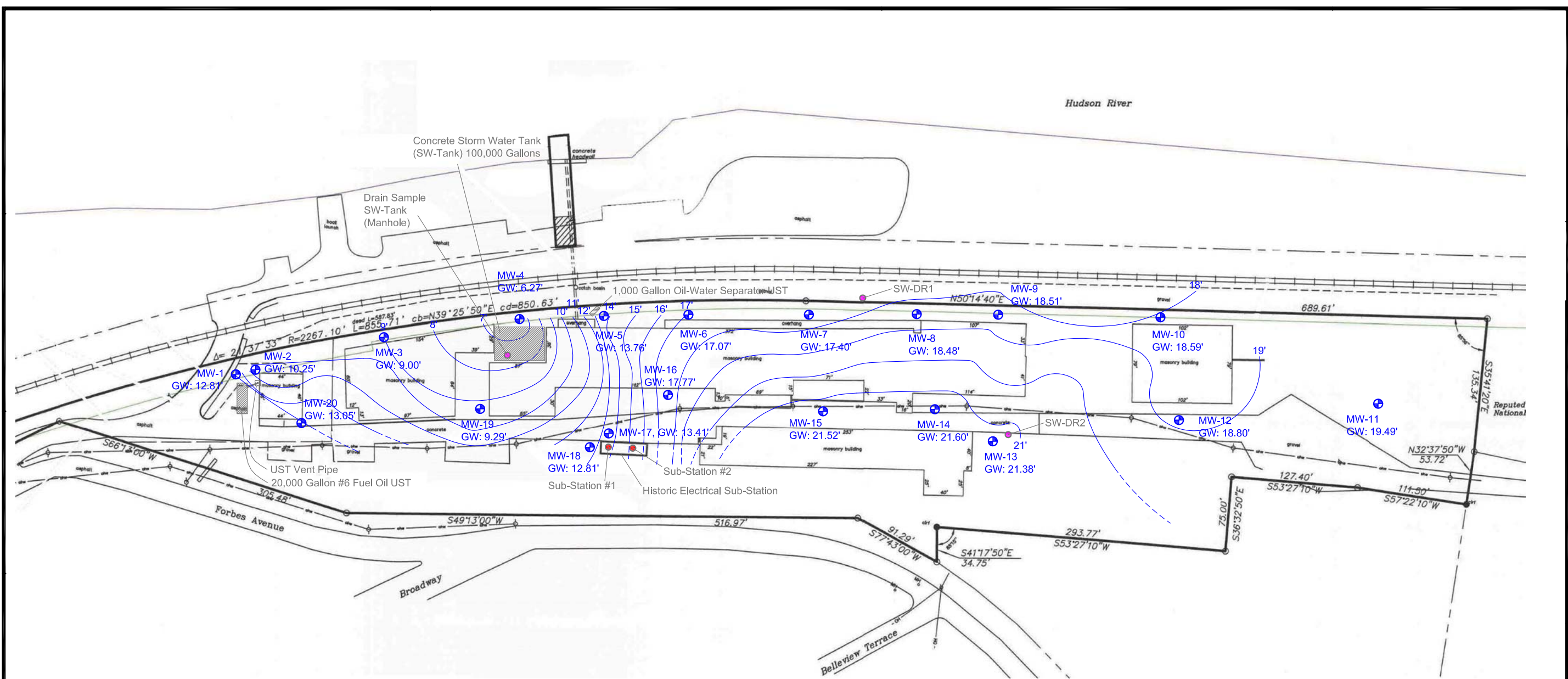
SHEET NO:

Figure 3

FIGURE – 4 GROUNDWATER
ELEVATION CONTOUR MAP
(ATTACHED)

Project: Barnet Mill Phase II ESA
DRAWING DATE SEPTEMBER, 2021
Project Number: 21-26694-E





Barnet Mills 20 Forbes Avenue Rensselaer, New York		DATE: September 2021			
DESCRIPTION:	DRAFT				
DATE:	September 10, 2021				

PROJECT NO: 21-26694-E
SHEET NO:

Figure 4

SHEET TITLE: GROUND WATER ELEVATION CONTOURS	
DRAWN BY: BG	CHECKED BY: MS

APPENDICES

Appendix A

EPA Vapor Intrusion Screening Levels

Resident Vapor Intrusion Screening Levels (VISL)
/HTML"User's Guide Variable References
/HTML"Corresponding Equations

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity data? (IUR and/or RfC)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? (C _{vp} > C _{la} , Target?)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? (C _{hc} > C _{la} , Target?)	Target Indoor Air Concentration (TCR=1E-06 or THQ=0.1) MIN(C _{la,c} , C _{la,nc})	Toxicity Basis	Target Sub-Slab and Near-source Soil Gas Concentration (TCR=1E-06 or THQ=0.1) C _{sp} , Target (µg/m³)	Target Groundwater Concentration (TCR=1E-06 or THQ=0.1) C _{gw} , Target (µg/L)	Is Target Groundwater Concentration < MCL? (C _{gw} < MCL?)	Pure Phase Vapor Concentration C _{vp} (25 °C) (µg/m³)	Maximum Groundwater Vapor Concentration C _{hc} (µg/m³)	Temperature for Maximum Groundwater Vapor Concentration (°C)	Lower Explosive Limit LEL (% by volume)	LEL Ref	IUR (ug/m³)¹	IUR Ref	RfC (mg/m³)	RfC Ref	Mutagenic Indicator	Carcinogenic VISL TCR=1E-06 C _{la,c} (µg/m³)	Noncarcinogenic VISL THQ=0.1 C _{la,nc} (µg/m³)
Acetone	67-64-1	Yes	Yes	Yes	Yes	3.22E+03	NC	1.07E+05	2.25E+06	--	7.25E+08	1.43E+09	2.50E+01	2.50E+00	U	-		3.09E+01	U	No	-	3.22E+03
Benzene	71-43-2	Yes	Yes	Yes	Yes	3.60E-01	CA	1.20E+01	1.59E+00	Yes (5)	3.98E+08	4.06E+08	2.50E+01	1.20E+00	U	7.80E-06	U	3.00E-02	U	No	3.60E+01	3.13E+00
Benzene, Ethylmethyl	25550-14-5	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-	--	5.59E+07	1.53E+07	2.50E+01	-	U	-		-		No	-	-
Butadiene, 1,3-	106-99-0	Yes	Yes	Yes	Yes	9.36E-02	CA	3.12E+00	3.11E-02	--	6.14E+09	2.21E+09	2.50E+01	2.00E+00	U	3.00E-05	U	2.00E-03	U	No	9.36E-02	2.09E-01
Butyl Alcohol, t-	75-65-0	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-	--	1.62E+08	3.70E+08	2.50E+01	2.40E+00	U	-		-		No	-	-
Carbon Disulfide	75-15-0	Yes	Yes	Yes	Yes	7.30E+01	NC	2.43E+03	1.24E+02	--	1.47E+09	1.27E+09	2.50E+01	1.30E+00	U	-		7.00E-01	U	No	-	7.30E+01
Carbon Tetrachloride	56-23-5	Yes	Yes	Yes	Yes	4.68E-01	CA	1.56E+01	4.15E-01	Yes (5)	9.51E+08	8.95E+08	2.50E+01	-		6.00E-06	U	1.00E-01	U	No	4.68E-01	1.04E+01
Chlorobenzene	108-90-7	Yes	Yes	Yes	Yes	5.21E+00	NC	1.74E+02	4.10E+01	Yes (100)	7.26E+07	6.33E+07	2.50E+01	1.30E+00	U	-		5.00E-02	U	No	-	5.21E+00
Chloroform	67-66-3	Yes	Yes	Yes	Yes	1.22E-01	CA	4.07E+00	8.14E-01	Yes (80)	1.26E+09	1.19E+09	2.50E+01	-		2.30E-05	U	9.77E-02	U	No	1.22E-01	1.02E+01
Chloromethane	74-87-3	Yes	Yes	Yes	Yes	9.39E+00	NC	3.13E+02	2.60E+01	--	1.17E+10	1.92E+09	2.50E+01	8.10E+00	U	-		9.00E-02	U	No	-	9.39E+00
Cyclohexane	110-82-7	Yes	Yes	Yes	Yes	6.28E+02	NC	2.09E+04	1.02E+02	--	4.39E+08	3.37E+08	2.50E+01	1.30E+00	U	-		6.00E+00	U	No	-	6.28E+02
Dichlorodifluoromethane	75-71-8	Yes	Yes	Yes	Yes	1.04E+01	NC	3.48E+02	7.44E-01	--	3.15E+10	3.93E+09	2.50E+01	-		-		1.00E-01	U	No	-	1.04E+01
Dichloroethylene, 1,1-	75-35-4	Yes	Yes	Yes	Yes	2.09E+01	NC	6.95E+02	1.95E+01	No (7)	3.13E+09	2.58E+09	2.50E+01	6.50E+00	U	-		2.00E-01	U	No	-	2.09E+01
Dioxane, 1,4-	123-91-1	Yes	Yes	Yes	Yes	5.62E-01	CA	1.87E+01	2.86E+03	--	1.81E+08	1.96E+08	2.50E+01	2.00E+00	U	5.00E-06	U	3.00E-02	U	No	5.62E-01	3.13E+00
Ethanol	64-17-5	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-	--	1.47E+08	2.04E+08	2.50E+01	3.30E+00	U	-		-		No	-	-
Ethylbenzene	100-41-4	Yes	Yes	Yes	Yes	1.12E+00	CA	3.74E+01	3.49E+00	Yes (700)	5.48E+07	5.44E+07	2.50E+01	8.00E-01	U	2.50E-06	U	1.00E+00	U	No	1.12E+00	1.04E+02
Heptane, N-	142-82-5	Yes	Yes	Yes	Yes	4.17E+01	NC	1.39E+03	5.10E-01	--	2.48E+08	2.78E+08	2.50E+01	1.05E+00	U	-		4.00E-01	U	No	-	4.17E+01
Hexachlorobutadiene	87-68-3	Yes	Yes	Yes	Yes	1.28E-01	CA	4.25E+00	3.03E-01	--	3.09E+06	1.35E+06	2.50E+01	2.90E+00	U	2.20E-05	U	-		No	1.28E-01	-
Hexane, N-	110-54-3	Yes	Yes	Yes	Yes	7.30E+01	NC	2.43E+03	9.92E-01	--	7.00E+08	6.99E+08	2.50E+01	1.10E+00	U	-		7.00E-01	U	No	-	7.30E+01
Methyl Ethyl Ketone (2-Butanone)	78-93-3	Yes	Yes	Yes	Yes	5.21E+02	NC	1.74E+04	2.24E+05	--	3.51E+08	5.19E+08	2.50E+01	1.40E+00	U	-		5.00E+00	U	No	-	5.21E+02
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	Yes	Yes	Yes	Yes	3.13E+02	NC	1.04E+04	5.55E+04	--	1.07E+08	1.07E+08	2.50E+01	1.20E+00	U	-		3.00E+00	U	No	-	3.13E+02
Methylene Chloride	75-09-2	Yes	Yes	Yes	Yes	6.26E+01	NC	2.09E+03	4.71E+02	No (5)	1.99E+09	1.73E+09	2.50E+01	1.30E+01	U	1.00E-08	U	6.00E-01	U	Mut	1.01E+02	6.26E+01
Styrene	100-42-5	Yes	Yes	Yes	Yes	1.04E+02	NC	3.48E+03	9.28E+02	No (100)	3.58E+07	3.49E+07	2.50E+01	9.00E-01	U	-		1.00E+00	U	No	-	1.04E+02
Tetrachloroethylene	127-18-4	Yes	Yes	Yes	Yes	4.17E+00	NC	1.39E+02	5.76E+00	No (5)	1.65E+08	1.49E+08	2.50E+01	-		2.60E-07	U	4.00E-02	U	No	1.08E+01	4.17E+00
Tetrahydrofuran	109-99-9	Yes	Yes	Yes	Yes	2.09E+02	NC	6.95E+03	7.24E+04	--	6.28E+08	2.88E+09	2.50E+01	2.00E+00	U	-		2.00E+00	U	No	-	2.09E+02
Toluene	108-88-3	Yes	Yes	Yes	Yes	5.21E+02	NC	1.74E+04	1.92E+03	No (1000)	1.41E+08	1.43E+08	2.50E+01	1.10E+00	U	-		5.00E+00	U	No	-	5.21E+02
Trichloroethane, 1,1,1-	71-55-6	Yes	Yes	Yes	Yes	5.21E+02	NC	1.74E+04	7.42E+02	No (200)	8.90E+08	9.07E+08	2.50E+01	8.00E+00	U	-		5.00E+00	U	No	-	5.21E+02
Trichloroethylene	79-01-6	Yes	Yes	Yes	Yes	2.09E-01	NC	6.95E+00	5.18E-01	Yes (5)	4.88E+08	5.15E+08	2.50E+01	8.00E+00	U	4.10E-06	U	2.00E-03	U	Mut	4.78E-01	2.09E-01
Trichlorofluoromethane	75-69-4	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-	--	5.93E+09	4.36E+09	2.50E+01	-		-		-		No	-	-
Trimethylbenzene, 1,2,4-	95-63-6	Yes	Yes	Yes	Yes	6.26E+00	NC	2.09E+02	2.48E+01	--	1.36E+07	1.44E+07	2.50E+01	9.00E-01	U	-		6.00E-02	U	No	-	6.26E+00
Trimethylbenzene, 1,3,5-	108-67-8	Yes	Yes	Yes	Yes	6.26E+00	NC	2.09E+02	1.75E+01	--	1.60E+07	1.73E+07	2.50E+01	1.00E+00	U	-		6.00E-02	U	No	-	6.26E+00
Trimethylpentane, 2,2,4-	540-84-1	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-	--	3.03E+08	3.03E+08	2.50E+01	9.00E-01	U	-		-		No	-	-
Xylene, o-	95-47-6	Yes	Yes	Yes	Yes	1.04E+01	NC	3.48E+02	4.92E+01	--	3.77E+07	3.77E+07	2.50E+01	9.00E-01	U	-		1.00E-01	U	No	-	1.04E+01
Xylenes	1330-20-7	Yes	Yes	Yes	Yes	1.04E+01	NC	3.48E+02	3.85E+01	Yes (10000)	4.56E+07	2.87E+07	2.50E+01	-		-		1.00E-01	U	No	-	1.04E+01

Commercial Vapor Intrusion Screening Levels (VISL)
/HTML"User's Guide Variable References
/HTML"Corresponding Equations

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity data? (IUR and/or RfC)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? (C _{vp} > C _{la} , Target?)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? (C _{hc} > C _{la} , Target?)	Target Indoor Air Concentration (TCR=1E-06 or THQ=0.1) MIN(C _{la,c} , C _{la,nc})	Toxicity Basis	Target Sub-Slab and Near-source Soil Gas Concentration (TCR=1E-06 or THQ=0.1) C _{sp} , Target (µg/m³)	Target Groundwater Concentration (TCR=1E-06 or THQ=0.1) C _{gw} , Target (µg/L)	Is Target Groundwater Concentration < MCL? (C _{gw} < MCL?)	Pure Phase Vapor Concentration C _{vp} (25 °C) (µg/m³)	Maximum Groundwater Vapor Concentration C _{hc} (µg/m³)	Temperature for Maximum Groundwater Vapor Concentration (°C)	Lower Explosive Limit LEL (% by volume)	LEL Ref	IUR (ug/m³)¹	IUR Ref	RfC (mg/m³)	RfC Ref	Mutagenic Indicator	Carcinogenic VISL TCR=1E-06 C _{la,c} (µg/m³)	Noncarcinogenic VISL THQ=0.1 C _{la,nc} (µg/m³)
Acetone	67-64-1	Yes	Yes	Yes	Yes	1.35E+04	NC	4.51E+05	9.46E+06	--	7.25E+08	1.43E+09	2.50E+01	2.50E+00	U	-		3.09E+01	U	No	-	1.35E+04
Benzene	71-43-2	Yes	Yes	Yes	Yes	1.57E+00	CA	5.24E+01	6.93E+00	No (5)	3.98E+08	4.06E+08	2.50E+01	1.20E+00	U	7.80E-06	U	3.00E-02	U	No	1.57E+00	1.31E+01
Benzene, Ethylmethyl	25550-14-5	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		5.59E+07	1.53E+07	2.50E+01	-		-		-		No	-	-
Butadiene, 1,3-	106-99-0	Yes	Yes	Yes	Yes	4.09E-01	CA	1.36E+01	1.36E-01	--	6.14E+09	2.21E+09	2.50E+01	2.00E+00	U	3.00E-05	U	2.00E-03	U	No	4.09E-01	8.76E-01
Butyl Alcohol, t-	75-65-0	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		1.62E+08	3.70E+08	2.50E+01	2.40E+00	U	-		-		No	-	-
Carbon Disulfide	75-15-0	Yes	Yes	Yes	Yes	3.07E+02	NC	1.02E+04	5.21E+02	--	1.47E+09	1.27E+09	2.50E+01	1.30E+00	U	-		7.00E-01	U	No	-	3.07E+02
Carbon Tetrachloride	56-23-5	Yes	Yes	Yes	Yes	2.04E+00	CA	6.81E+01	1.81E+00	Yes (5)	9.51E+08	8.95E+08	2.50E+01	-		6.00E-06	U	1.00E-01	U	No	2.04E+00	4.38E+01
Chlorobenzene	108-90-7	Yes	Yes	Yes	Yes	2.19E+01	NC	7.30E+02	1.72E+02	No (100)	7.26E+07	6.33E+07	2.50E+01	1.30E+00	U	-		5.00E-02	U	No	-	2.19E+01
Chloroform	67-66-3	Yes	Yes	Yes	Yes	5.33E-01	CA	1.78E+01	3.55E+00	Yes (80)	1.26E+09	1.19E+09	2.50E+01	-		2.30E-05	U	9.77E-02	U	No	5.33E-01	4.28E+01
Chloromethane	74-87-3	Yes	Yes	Yes	Yes	3.94E+01	NC	1.31E+03	1.09E+02	--	1.17E+10	1.92E+09	2.50E+01	8.10E+00	U	-		9.00E-02	U	No	-	3.94E+01
Cyclohexane	110-82-7	Yes	Yes	Yes	Yes	2.63E+03	NC	8.76E+04	4.29E+02	--	4.39E+08	3.37E+08	2.50E+01	1.30E+00	U	-		6.00E+00	U	No	-	2.63E+03
Dichlorodifluoromethane	75-71-8	Yes	Yes	Yes	Yes	4.38E+01	NC	1.46E+03	3.12E+00	--	3.15E+10	3.93E+09	2.50E+01	-		-		1.00E-01	U	No	-	4.38E+01
Dichloroethylene, 1,1-	75-35-4	Yes	Yes	Yes	Yes	8.76E+01	NC	2.92E+03	8.21E+01	No (7)	3.13E+09	2.58E+09	2.50E+01	6.50E+00	U	-		2.00E-01	U	No	-	8.76E+01
Dioxane, 1,4-	123-91-1	Yes	Yes	Yes	Yes	2.45E+00	CA	8.18E+01	1.25E+04	--	1.81E+08	1.96E+08	2.50E+01	2.00E+00	U	5.00E-06	U	3.00E-02	U	No	2.45E+00	1.31E+01
Ethanol	64-17-5	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		1.47E+08	2.04E+08	2.50E+01	3.30E+00	U	-		-		No	-	-
Ethylbenzene	100-41-4	Yes	Yes	Yes	Yes	4.91E+00	CA	1.64E+02	1.52E+01	Yes (700)	5.48E+07	5.44E+07	2.50E+01	8.00E-01	U	2.50E-06	U	1.00E+00	U	No	4.91E+00	4.38E+02
Heptane, N-	142-82-5	Yes	Yes	Yes	Yes	1.75E+02	NC	5.84E+03	2.14E+00	--	2.48E+08	2.78E+08	2.50E+01	1.05E+00	U	-		4.00E-01	U	No	-	1.75E+02
Hexachlorobutadiene	87-68-3	Yes	Yes	Yes	Yes	5.57E-01	CA	1.86E+01	1.32E+00	--	3.09E+06	1.35E+06	2.50E+01	2.90E+00	U	2.20E-05	U	-		No	5.57E-01	-
Hexane, N-	110-54-3	Yes	Yes	Yes	Yes	3.07E+02	NC	1.02E+04	4.17E+00	--	7.00E+08	6.99E+08	2.50E+01	1.10E+00	U	-		7.00E-01	U	No	-	3.07E+02
Methyl Ethyl Ketone (2-Butanone)	78-93-3	Yes	Yes	Yes	Yes	2.19E+03	NC	7.30E+04	9.41E+05	--	3.51E+08	5.19E+08	2.50E+01	1.40E+00	U	-		5.00E+00	U	No	-	2.19E+03
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	Yes	Yes	Yes	Yes	1.31E+03	NC	4.38E+04	2.33E+05	--	1.07E+08	1.07E+08	2.50E+01	1.20E+00	U	-		3.00E+00	U	No	-	1.31E+03
Methylene Chloride	75-09-2	Yes	Yes	Yes	Yes	2.63E+02	NC	8.76E+03	1.98E+03	No (5)	1.99E+09	1.73E+09	2.50E+01	1.30E+01	U	1.00E-08	U	6.00E-01	U	Mut	1.23E+03	2.63E+02
Styrene	100-42-5	Yes	Yes	Yes	Yes	4.38E+02	NC	1.46E+04	3.90E+03	No (100)	3.58E+07	3.49E+07	2.50E+01	9.00E-01	U	-		1.00E+00	U	No	-	4.38E+02
Tetrachloroethylene	127-18-4	Yes	Yes	Yes	Yes	1.75E+01	NC	5.84E+02	2.42E+01	No (5)	1.65E+08	1.49E+08	2.50E+01	-		2.60E-07	U	4.00E-02	U	No	4.72E+01	1.75E+01
Tetrahydrofuran	109-99-9	Yes	Yes	Yes	Yes	8.76E+02	NC	2.92E+04	3.04E+05	--	6.28E+08	2.88E+09	2.50E+01	2.00E+00	U	-		2.00E+00	U	No	-	8.76E+02
Toluene	108-88-3	Yes	Yes	Yes	Yes	2.19E+03	NC	7.30E+04	8.07E+03	No (1000)	1.41E+08	1.43E+08	2.50E+01	1.10E+00	U	-		5.00E+00	U	No	-	2.19E+03
Trichloroethane, 1,1,1-	71-55-6	Yes	Yes	Yes	Yes	2.19E+03	NC	7.30E+04	3.11E+03	No (200)	8.90E+08	9.07E+08	2.50E+01	8.00E+00	U	-		5.00E+00	U	No	-	2.19E+03
Trichloroethylene	79-01-6	Yes	Yes	Yes	Yes	8.76E-01	NC	2.92E+01	2.18E+00	Yes (5)	4.88E+08	5.15E+08	2.50E+01	8.00E+00	U	4.10E-06	U	2.00E-03	U	Mut	2.99E+00	8.76E-01
Trichlorofluoromethane	75-69-4	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		5.93E+09	4.36E+09	2.50E+01	-		-		-		No	-	-
Trimethylbenzene, 1,2,4-	95-63-6	Yes	Yes	Yes	Yes	2.63E+01	NC	8.76E+02	1.04E+02	--	1.36E+07	1.44E+07	2.50E+01	9.00E-01	U	-		6.00E-02	U	No	-	2.63E+01
Trimethylbenzene, 1,3,5-	108-67-8	Yes	Yes	Yes	Yes	2.63E+01	NC	8.76E+02	7.33E+01	--	1.60E+07	1.73E+07	2.50E+01	1.00E+00	U	-		6.00E-02	U	No	-	2.63E+01
Trimethylpentane, 2,2,4-	540-84-1	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		3.03E+08	3.03E+08	2.50E+01	9.00E-01	U	-		-		No	-	-
Xylene, o-	95-47-6	Yes	Yes	Yes	Yes	4.38E+01	NC	1.46E+03	2.07E+02	--	3.77E+07	3.77E+07	2.50E+01	9.00E-01	U	-		1.00E-01	U	No	-	4.38E+01
Xylenes	1330-20-7	Yes	Yes	Yes	Yes	4.38E+01	NC	1.46E+03	1.62E+02	Yes (10000)	4.56E+07	2.87E+07	2.50E+01	-		-		1.00E-01	U	No	-	4.38E+01

Appendix B

Test Pit Logs



Test Pit Logs
 20 FORBES AVENUE
 LOCATION: NORTH END OF PROPERTY
 DATE: JULY 27, 2021
 WEATHER: CLEAR AND 85 DEG F.
 EQUIPMENT: MINI EXCAVATOR

TEST PIT TP-1		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-2	Brown sand and gravel, rounded washed stone, medium - coarse	0
2-4	Same	0
4-6	Same	0
6-8	Black heavily stained soil with strong odor and oily consistency	3.0
8-11	Same to Bottom of Test Pit at 11-ft, Dry	3.0

TEST PIT TP-2		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-5	Sand & Gravel Fill with automobile tires, bricks, wood and metal	0
5-11	Sand & Gravel Fill with Crushed red Bricks. Coarse sand and gravel - Dry	0
11	Bottom of Pit – No Groundwater	

TEST PIT TP-3		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-9	Coarse Brown Gravel and med-coarse brown sand	0
9-11	Sand & Gravel with decaying wood and small tree fill - Dry	0
11	Bottom of Pit – No Groundwater	

TEST PIT TP-4		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-9	Coarse Brown Gravel and med-coarse brown sand	0
9-11	Sand & Gravel with decaying wood and small tree fill - Dry	0
11	Bottom of Pit – No Groundwater	

TEST PIT TP-5		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-10	Coarse Brown Gravel and med-coarse brown sand	0
10	Apparent original grade surface - silty sand and organic layer - Dry	0
11	Bottom of Pit – No Groundwater	



Test Pit Logs

20 FORBES AVENUE
 LOCATION: NORTH END OF PROPERTY
 DATE: JULY 27, 2021
 WEATHER: CLEAR AND 85 DEG F.
 EQUIPMENT: MINI EXCAVATOR

TEST PIT TP-6		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-10	Coarse Brown Gravel and med-coarse brown sand	0
10	Apparent original grade surface - silty sand and organic layer - Dry	0
11	Bottom of Pit – No Groundwater	

TEST PIT TP-7		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-8	Coarse Brown Gravel and med-coarse brown sand	0
8-11	Sand & Gravel and metal waste - Dry	0.5
11	Bottom of Pit – No Groundwater	

TEST PIT TP-8		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-11	Coarse Brown Gravel and med-coarse brown sand. Large quantity of small diameter tree wood waste mixed into the sand and gravel.	0
11	Bottom of Pit – No Groundwater	

TEST PIT TP-9		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-10	Coarse Brown Gravel and med-coarse brown sand with mixed-in wastes including a metal automobile axel, pieces of scrap metal, wood and brick.	0
10	Bottom of Pit – No Groundwater	

TEST PIT TP-10		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-6	Coarse Brown Gravel and med-coarse brown sand	0
6-9	Sand & Gravel and silt with Groundwater rapidly entering test pit to 6-foot deep level. Walls collapsing, pit unstable and backfilled.	0
9	Bottom of Pit – Rapid groundwater infiltration from 6-foot depth	



Test Pit Logs

20 FORBES AVENUE
LOCATION: NORTH END OF PROPERTY
DATE: JULY 27, 2021
WEATHER: CLEAR AND 85 DEG F.
EQUIPMENT: MINI EXCAVATOR

TEST PIT TP-11		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-5	Brown sand and gravel, bricks, wood and small diameter tree wood	0
5-11	Brown sand and gravel – coarse - dry	0
11	Bottom of Test Pit at 11-ft, Dry	0

Appendix C

Soil Boring Logs

Project: **20 Forbes Avenue**
 Project Location: **Rensselaer, NY**
 Project Number: **21-26694-E**

Log of Boring B-1

Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 30 ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 24 ft AMSL
Groundwater Level and Date Measured est. 15'	Sampling Method(s)	Hammer Data NA
Borehole Backfill Well Materials	Location South Bldng #1	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand and gravel		
5				Fine sand, silt and fine gravel - dry		
10				Same, moist - dark staining and petroleum odor in soil		Dark staining and oily with petroleum odor
15				Fine sand and gravel, coarse sand, black stained and petroleum odor, moist		Black staining an oily with petroleum odor
20				Same, saturated, black staining and petroleum odor		Black oily staining and oily residue
25				Medium-coarse sand and med gravel, saturated and black oily contamination		Saturated with black oily deposits
30				EOB		Set Monitoring Well @ 22-ft with 10 ft of 0,020 slotted screen and solid riser to grade, Bentonite seal above screen and flush mount curb box at surface

Project: **20 Forbes Avenue**
 Project Location: **Rensselaer, NY**
 Project Number: **21-266-94E**

Log of Boring B-2

Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 30 ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 23 ft AMSL
Groundwater Level and Date Measured est. 15'	Sampling Method(s) Dual Tube	Hammer Data NA
Borehole Backfill Well Materials	Location SW of Building #1	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand and gravel		
5				Fine sand, silt and fine gravel - dry		
10				Same, moist - dark staining and petroleum odor in soil starting @ 14-15 ft		Dark staining and oily with petroleum odor
15				Fine sand and gravel, coarse sand, black stained and petroleum odor, moist		Black staining an oily with petroleum odor
20				Fine brown sand, fine-med gravel, saturated, black staining and oily petroleum in soil		Black oily staining and oily residue
25				Coarse sand, silt and med gravel, saturated		Saturated with black oily deposits
30				EOB		Set Monitoring Well @ 22-ft with 10 ft of 0,020 slotted screen and solid riser to grade, Bentonite seal above screen and flush mount curb box at surface

Project: **20 Forbes Avenue**
Project Location: **Rensselaer, NY**
Project Number: **321-266-94E**

Log of Boring B-3
Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 20 ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 21' AMSL
Groundwater Level and Date Measured est. 12'	Sampling Method(s) Dual Tube	Hammer Data NA
Borehole Backfill Well Materials	Location West of Bldg #2 Area	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Sand, gravel and brick fill with fine sand and silt at 3-5		
5				Fine sand, silt and fine gravel - dry		
10				Fine sand, silt and fine gravel - dry		
				Est GW Depth ▼		
15				Fine and medium sand, silt and fine gravel - Saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade, Bentonite seal above screen and flush mount curb box at surface
25						
30						

Project: **20 Forbes Avenue**
Project Location: **Rensselaer, NY**
Project Number: **21-266-94E**

Log of Boring B-4
Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 20 ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 20' AMSL
Groundwater Level and Date Measured est. 14'	Sampling Method(s) Dual Tube	Hammer Data NA
Borehole Backfill Well Materials	Location West of Building #3 Area	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Sand, gravel and silt		
5				Fine sand & silt then gray clay @ 6-10 ft. - dry		
10				Gray clay to 12-ft, then fine sand, silt and fine gravel - moist		
				Est GW Depth ▼		
15				Fine sand, silt and fine gravel - Saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade, Bentonite seal above screen and flush mount curb box at surface
25						
30						

Project: **20 Forbes Avenue**
Project Location: **Rensselaer, NY**
Project Number: **21-266-94E**

Log of Boring B-5
Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 20 ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 20' AMSL
Groundwater Level and Date Measured est. 10'	Sampling Method(s) Dual Tube	Hammer Data NA
Borehole Backfill Well Materials	Location West of Building #4	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Sand, silt, brick and gravel - dry		
5				Silt, clay and fine gravel - saturated		
10				Same	Est GW Depth ▼	
				Coarse sand and fine gravel - Saturated		
15				Coarse sand, silt and fine gravel		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade, Bentonite seal above screen and flush mount curb box at surface
25						
30						

Project: **20 Forbes Avenue**
Project Location: **Rensselaer, NY**
Project Number: **21-266-94E**

Log of Boring B-6
Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 20 Ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 20" AMSL
Groundwater Level and Date Measured est. 10'	Sampling Method(s) Dual Tube	Hammer Data NA
Borehole Backfill Well Materials	Location West of Building #5	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Sand, silt and gravel - dry		
5				Silt, clay and fine gravel, wood @ 5-6 ft - saturated		
10				Same, some black staining in soil, saturated		Est GW Depth ▾
15				Same, some black staining in soil, saturated		
				Fine sand, silt and medium gravel - saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade, Bentonite seal above screen and flush mount curb box at surface
25						
30						

Project: **20 Forbes Avenue**
 Project Location: **Rensselaer, NY**
 Project Number: **21-266-94E**

Log of Boring B-7

Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 20 ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 20' AMSL
Groundwater Level and Date Measured est. 10'	Sampling Method(s) Dual Tube	Hammer Data NA
Borehole Backfill Well Materials	Location West of Building #6	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		PID elevated at 4-5 ft
				Sand, silt and gravel - moist, black oily stained soil @ 4-5 ft		
5				Coarse sand and gravel- moist, black oily staining		
				Gray Clay - moist		
10				Gray clay - moist	Est GW Depth ▾	
				Sand, silting coarse gravel - saturated		
15				Fine brown silt, sand and coarse gravel - saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade, Bentonite seal above screen and flush mount curb box at surface
25						
30						

Project: **20 Forbes Avenue**
 Project Location: **Rensselaer, NY**
 Project Number: **21-266-94E**

Log of Boring B-8

Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 20 ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 20' AMSL
Groundwater Level and Date Measured est. 3'	Sampling Method(s) Dual Tube	Hammer Data NA
Borehole Backfill Well Materials	Location SW of Building #7	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Sand, silt and gravel - moist, black oily stained soil @ 4-5 ft		
				Est GW Depth ▼		
5				same, black oily staining		PID 0.0 PPM at 7-10 ft
				Fine sand silt and coarse gravel - saturated		
10				same at 10-13 ft, saturated		
				Dense silt and fine sand - dry		
15				Fine brown silt, sand and fine gravel - saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade, Bentonite seal above screen and flush mount curb box at surface Later adjusted screen to 2-Foot Depth and finished
25						
30						

Project: **20 Forbes Avenue**
 Project Location: **Rensselaer, NY**
 Project Number: **21-266-94E**

Log of Boring B-9
Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 20 ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 20' AMSL
Groundwater Level and Date Measured est. 2'	Sampling Method(s) Dual Core	Hammer Data NA
Borehole Backfill Well Materials	Location West of Bldg#7	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine brown sand and fine gravel - dry		
				Est GW Depth ▼		
				Black stained fine sand and fine gravel - moist		
5				same, black oily staining		
				Gray silt and clay and fine gravel - moist		
10				Fine sand, silt and coarse gravel - moist		
15				Fine brown sand, silt and fine gravel - saturated		
20				EOB		
25						
30						

Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade, Bentonite seal above screen and flush mount curb box at surface Later adjusted screen to 2-Foot Depth and finished

Project: **20 Forbes Avenue**
Project Location: **Rensselaer, NY**
Project Number: **21-266-94E**

Log of Boring B-10
Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation
Groundwater Level and Date Measured est. 3'	Sampling Method(s) Dual Tube	Hammer Data
Borehole Backfill Well Materials	Location West of Building #9	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand, silt and fine gravel - dry		
				Est GW Depth ▼		
5				Fine sand, silt and fine gravel - saturated		
10				Fine sand, silt and coarse gravel - saturated		
15				Dense silt, sand and coarse gravel - saturated		
20				EOB		Set Monitoring Well @ 12-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25						
30						

Project: **20 Forbes Avenue**
Project Location: **Rensselaer, NY**
Project Number: **21-266-94E**

Log of Boring B-11
Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation
Groundwater Level and Date Measured est. 15'	Sampling Method(s) Dual Tube	Hammer Data
Borehole Backfill Well Materials	Location North end of SP	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand, silt and fine gravel - dry		
5				Fine sand and silt and med gravel - dry		
10				Same - dry		Odorous soil
15				Fine brown sand, some silt and fine gravel - saturated	Est GW Depth ▼ =	
20				Fine brown sand and fine gravel - saturated		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25				EOB		
30						

Project: **20 Forbes Avenue**
 Project Location: **Rensselaer, NY**
 Project Number: **21-266-94E**

Log of Boring B-12
Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation
Groundwater Level and Date Measured est. 16'	Sampling Method(s) Dual Tube	Hammer Data
Borehole Backfill Well Materials	Location East of Building #9	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand, and fine gravel - dry		
5				Fine sand and silt and fine gravel - dry		
10				Same - dry		
15				Fine brown sand, some silt and med gravel - saturated		
				Est GW Depth ▼		
20				Fine brown sand and fine gravel - saturated		
25				EOB		
30						

Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface

Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface

Project: **20 Forbes Avenue**
 Project Location: **Rensselaer, NY**
 Project Number: **21-266-94E**

Log of Boring B-13
Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 25 ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 34' AMSL
Groundwater Level and Date Measured est. 15'	Sampling Method(s) Dual Tube	Hammer Data NA
Borehole Backfill Well Materials	Location North of Building #10	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine brown sand, and coarse gravel - dry		
5				Same - dry		
10				Fine brown sand and silt, coarse gravel - damp		
15				Fine brown sand, some silt and coarse gravel - saturated		Est GW Depth ▼ =
20				Fine brown sand and fine gravel - saturated		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25				EOB		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
30						

Project: **20 Forbes Avenue**
 Project Location: **Rensselaer, NY**
 Project Number: **21-26694-E**

Log of Boring B-14
Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 25 ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 35' AMSL
Groundwater Level and Date Measured est. 15'	Sampling Method(s) Dual Tube	Hammer Data NA
Borehole Backfill Well Materials	Location East of Building #8	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine brown sand, and med-coarse gravel - dry		
5				Same - dry		
				Black coal ash staining at 8-10 ft.		
10				No Recovery due to pushed cobble		
15				Fine brown sand, some silt and coarse gravel - saturated		Est GW Depth ▼ =
20				Same - saturated		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25				EOB		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
30						

Project: **20 Forbes Avenue**
Project Location: **Rensselaer, NY**
Project Number: **21-266-94E**

Log of Boring B-15
Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 25 ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 36' AMSL
Groundwater Level and Date Measured est. 15'	Sampling Method(s) Dual Tube	Hammer Data NA
Borehole Backfill Well Materials	Location East of Building #6 next to road	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine brown sand, and fine gravel - dry		
5				Same - moist		
10				Same		
15				No Recovery	Est GW Depth ▼	
20				No Recovery - saturated sampler		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25				EOB		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
30						

Project: **20 Forbes Avenue**
 Project Location: **Rensselaer, NY**
 Project Number: **21-266-94E**

Log of Boring B-16
Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 25 ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 28' AMSL
Groundwater Level and Date Measured est. 12'	Sampling Method(s) Dual Tube	Hammer Data NA
Borehole Backfill Well Materials	Location East of Building #5 ctr	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine brown sand - dry		
5				Same then coal ash fill at 8 9 feet then coarse gravel and concrete fill - dry		
10				Fine brown sand and silt - saturate at 14 Ft.		
				Est GW Depth ▼		
15				Dense gray silt, some fine gravel - saturated at bottom of sample		
20				Fine sand, silt and coarse gravel - saturated		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
30						

Project: **20 Forbes Avenue**
Project Location: **Rensselaer, NY**
Project Number: **21-266-94E**

Log of Boring B-17
Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 20 ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 27' AMSL
Groundwater Level and Date Measured est. 10'	Sampling Method(s) Dual Tube	Hammer Data NA
Borehole Backfill Well Materials	Location West of Sub Station in Road	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine brown sand and fine gravel - dry		
5				Same, some silt - dry		
10				Same, saturated at 14-Ft. Est GW Depth ▾		
15				Fine sand and silt and fine gravel - saturated		
20				EOB		Set Monitoring Well @ 18-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25						
30						

Project: **20 Forbes Avenue**
Project Location: **Rensselaer, NY**
Project Number: **91-266-94E**

Log of Boring B-18
Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 20 ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 27' AMSL
Groundwater Level and Date Measured est. 10'	Sampling Method(s) Dual Tube	Hammer Data NA
Borehole Backfill Well Materials	Location South of Sub Station	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine brown sand and fine gravel - dry		
5				Fine brown sand, silt and coarse gravel - dry		
10				Same - dry	Est GW Depth ▼	
15				Same with some clay - saturated		
20				EOB		Set Monitoring Well @ 18-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25						
30						

Project: **20 Forbes Avenue**
Project Location: **Rensselaer, NY**
Project Number: **91-266-94E**

Log of Boring B-19
Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 20 ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 22 ft AMSL
Groundwater Level and Date Measured est. 12'	Sampling Method(s) Dual Tube	Hammer Data NA
Borehole Backfill Well Materials	Location South side of Building #4	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Brick, sand, stone and gravel - dry		
5				Fine brown sand, silt and fine gravel - dry		
10				Same - moist		
				Est GW Depth ▼		
15				Fine sand and fine gravel, dark gray stained with slight odor - saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25						
30						

Project: **20 Forbes Avenue**
 Project Location: **Rensselaer, NY**
 Project Number: **90-266-94E**

Log of Boring B-20
 Sheet 1 of 1

Date(s) Drilled 8/9/12 - 8/12/12	Logged By Baines	Checked By MS
Drilling Method Direct Push	Drill Bit Size/Type 2" Dual Tube	Total Depth of Borehole 25 ft
Drill Rig Type Geoprobe	Drilling Contractor CoreDown	Approximate Surface Elevation Approx 24' AMSL
Groundwater Level and Date Measured est. 12'	Sampling Method(s) Dual Tube	Hammer Data NA
Borehole Backfill Well Materials	Location NE Corner of Building #1	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand and coarse gravel - dry		
5				Fine sand, silt and coarse gravel - dry		
10				Same - dry, saturated at 14.5 Ft.		
				Est GW Depth ▼		
15				Same with seam of black oily gravel at 16-19 Ft. - saturated		Black oily stained gravel at 6-18 ft.
20				Medium Brown sand - saturated		Set Monitoring Well @ 22-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25				EOB		
30						

Project: **20 Forbes Avenue**
 Project Location: **Rensselaer, NY**
 Project Number: **21-26694-E**

Key to Log of Boring Sheet 1 of 1

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
1	2	3	4	5	6	7

COLUMN DESCRIPTIONS

- | | |
|---|---|
| <p>1 Depth (feet): Depth in feet below the ground surface.</p> <p>2 Sample Type: Type of soil sample collected at the depth interval shown.</p> <p>3 Sample Number: Sample identification number.</p> <p>4 Sampling Resistance, blows/ft: Number of blows to advance driven sampler one foot (or distance shown) beyond seating interval using the hammer identified on the boring log.</p> | <p>5 MATERIAL DESCRIPTION: Description of material encountered. May include consistency, moisture, color, and other descriptive text.</p> <p>6 Water Content, %: Water content of the soil sample, expressed as percentage of dry weight of sample.</p> <p>7 REMARKS AND OTHER TESTS: Comments and observations regarding drilling or sampling made by driller or field personnel.</p> |
|---|---|







FIELD AND LABORATORY TEST ABBREVIATIONS




CHEM: Chemical tests to assess corrosivity
 COMP: Compaction test
 CONS: One-dimensional consolidation test
 LL: Liquid Limit, percent

PI: Plasticity Index, percent
 SA: Sieve analysis (percent passing No. 200 Sieve)
 UC: Unconfined compressive strength test, Qu, in ksf
 WA: Wash sieve (percent passing No. 200 Sieve)






MATERIAL GRAPHIC SYMBOLS

TYPICAL SAMPLER GRAPHIC SYMBOLS

- | | |
|---|---|
|  Auger sampler |  CME Sampler |
|  Bulk Sample |  Grab Sample |
|  3-inch-OD California w/ brass rings |  2.5-inch-OD Modified California w/ brass liners |

- | |
|---|
|  Pitcher Sample |
|  2-inch-OD unlined split spoon (SPT) |
|  Shelby Tube (Thin-walled, fixed head) |

OTHER GRAPHIC SYMBOLS

- | | |
|---|--|
|  | Water level (at time of drilling, ATD) |
|  | Water level (after waiting) |
|  | Minor change in material properties within a stratum |
|  | Inferred/gradational contact between strata |
|  | Queried contact between strata |

GENERAL NOTES

- 1: Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive, and actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
- 2: Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

Figure B-1

Appendix D

Lab Sample Analysis Reports

INDOOR AIR AND SUB-SLAB SOIL GAS SAMPLES



ANALYTICAL REPORT

Lab Number:	L2140488
Client:	Alpine Environmental 438 New Karner Road Albany, NY 12205
ATTN:	Kim Baines
Phone:	(518) 250-4047
Project Name:	BARNET MILLS
Project Number:	21-26694-E
Report Date:	08/02/21

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

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2140488-01	SS-01	SOIL_VAPOR	RENSSELAER, NY	07/27/21 14:20	07/28/21
L2140488-02	SS-02	SOIL_VAPOR	RENSSELAER, NY	07/27/21 14:53	07/28/21
L2140488-03	SS-03	SOIL_VAPOR	RENSSELAER, NY	07/27/21 14:55	07/28/21
L2140488-04	SS-04	SOIL_VAPOR	RENSSELAER, NY	07/27/21 15:04	07/28/21
L2140488-05	SS-05	SOIL_VAPOR	RENSSELAER, NY	07/27/21 15:10	07/28/21
L2140488-06	SS-06	SOIL_VAPOR	RENSSELAER, NY	07/27/21 15:10	07/28/21
L2140488-07	SS-07	SOIL_VAPOR	RENSSELAER, NY	07/27/21 15:20	07/28/21
L2140488-08	SS-08	SOIL_VAPOR	RENSSELAER, NY	07/27/21 15:27	07/28/21
L2140488-09	SS-09	SOIL_VAPOR	RENSSELAER, NY	07/27/21 15:32	07/28/21
L2140488-10	AA-01	AIR	RENSSELAER, NY	07/27/21 15:40	07/28/21

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

Case Narrative

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

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

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

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

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

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

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 22, 2021. The canister certification results are provided as an addendum.

L2140488-06D through -08D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2140488-09D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2140488-04D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen due to canister size. The pressurization resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

The WG1530310-3 LCS recoveries for 3-chloropropene (131%), bromoform (135%) and benzyl chloride (144%) are above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes.

Sample Receipt

The samples designated SS-05 (L2140488-05) and SS-06 (L2140488-06) failed to collect and had to be cancelled.

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:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 08/02/21

AIR

Project Name: BARNET MILLS**Project Number:** 21-26694-E**Lab Number:** L2140488**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-01
 Client ID: SS-01
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:20
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/01/21 17:45
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.392	0.200	--	1.94	0.989	--		1
Chloromethane	0.507	0.200	--	1.05	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	14.0	5.00	--	26.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	15.8	1.00	--	37.5	2.38	--		1
Trichlorofluoromethane	0.332	0.200	--	1.87	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.46	0.500	--	4.43	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.388	0.200	--	1.21	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.928	0.500	--	2.74	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-01
 Client ID: SS-01
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:20
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.84	0.200	--	6.48	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	1.66	0.200	--	5.30	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.65	0.200	--	5.68	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	1.54	0.200	--	7.19	0.934	--		1
Heptane	3.21	0.200	--	13.2	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	29.7	0.200	--	112	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	4.42	0.200	--	19.2	0.869	--		1
p/m-Xylene	14.7	0.400	--	63.9	1.74	--		1



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-01
 Client ID: SS-01
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:20
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	5.40	0.200	--	23.5	0.869	--		1
4-Ethyltoluene	0.398	0.200	--	1.96	0.983	--		1
1,3,5-Trimethylbenzene	0.453	0.200	--	2.23	0.983	--		1
1,2,4-Trimethylbenzene	1.42	0.200	--	6.98	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	100		60-140



Project Name: BARNET MILLS**Project Number:** 21-26694-E**Lab Number:** L2140488**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-02
 Client ID: SS-02
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:53
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/01/21 19:07
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.430	0.200	--	2.13	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	269	5.00	--	507	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	42.0	1.00	--	99.8	2.38	--		1
Trichlorofluoromethane	0.332	0.200	--	1.87	1.12	--		1
1,1-Dichloroethene	0.259	0.200	--	1.03	0.793	--		1
Tertiary butyl Alcohol	6.06	0.500	--	18.4	1.52	--		1
Methylene chloride	0.701	0.500	--	2.44	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.35	0.200	--	4.20	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	4.41	0.500	--	13.0	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-02
 Client ID: SS-02
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:53
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	5.53	0.200	--	27.0	0.977	--		1
Tetrahydrofuran	8.81	0.500	--	26.0	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.44	0.200	--	12.1	0.705	--		1
1,1,1-Trichloroethane	12.8	0.200	--	69.8	1.09	--		1
Benzene	3.37	0.200	--	10.8	0.639	--		1
Carbon tetrachloride	1.63	0.200	--	10.3	1.26	--		1
Cyclohexane	3.05	0.200	--	10.5	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	0.204	0.200	--	0.735	0.721	--		1
Trichloroethene	0.687	0.200	--	3.69	1.07	--		1
2,2,4-Trimethylpentane	2.59	0.200	--	12.1	0.934	--		1
Heptane	5.95	0.200	--	24.4	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.542	0.500	--	2.22	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	66.3	0.200	--	250	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	19.8	0.200	--	86.0	0.869	--		1
p/m-Xylene	65.9	0.400	--	286	1.74	--		1



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-02
 Client ID: SS-02
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:53
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.383	0.200	--	1.63	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	29.2	0.200	--	127	0.869	--		1
4-Ethyltoluene	3.47	0.200	--	17.1	0.983	--		1
1,3,5-Trimethylbenzene	4.46	0.200	--	21.9	0.983	--		1
1,2,4-Trimethylbenzene	14.9	0.200	--	73.3	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	108		60-140



Project Name: BARNET MILLS**Project Number:** 21-26694-E**Lab Number:** L2140488**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-03
 Client ID: SS-03
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:55
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/01/21 19:50
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.369	0.200	--	1.82	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	81.8	5.00	--	154	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	259	1.00	--	615	2.38	--		1
Trichlorofluoromethane	0.321	0.200	--	1.80	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	7.92	0.500	--	24.0	1.52	--		1
Methylene chloride	1.41	0.500	--	4.90	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.730	0.200	--	2.27	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	4.19	0.500	--	12.4	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-03
 Client ID: SS-03
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:55
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.38	0.200	--	11.9	0.705	--		1
1,1,1-Trichloroethane	20.2	0.200	--	110	1.09	--		1
Benzene	3.43	0.200	--	11.0	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	3.11	0.200	--	10.7	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	4.31	0.200	--	15.5	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	2.83	0.200	--	13.2	0.934	--		1
Heptane	6.74	0.200	--	27.6	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.646	0.500	--	2.65	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	71.8	0.200	--	271	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	0.444	0.200	--	2.04	0.921	--		1
Ethylbenzene	21.5	0.200	--	93.4	0.869	--		1
p/m-Xylene	68.3	0.400	--	297	1.74	--		1



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-03
 Client ID: SS-03
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:55
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.419	0.200	--	1.78	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	30.5	0.200	--	132	0.869	--		1
4-Ethyltoluene	3.26	0.200	--	16.0	0.983	--		1
1,3,5-Trimethylbenzene	4.59	0.200	--	22.6	0.983	--		1
1,2,4-Trimethylbenzene	14.9	0.200	--	73.3	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	111		60-140



Project Name: BARNET MILLS**Project Number:** 21-26694-E**Lab Number:** L2140488**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-04 D
 Client ID: SS-04
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:04
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/01/21 20:32
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.434	0.259	--	2.15	1.28	--		1.295
Chloromethane	ND	0.259	--	ND	0.535	--		1.295
Freon-114	ND	0.259	--	ND	1.81	--		1.295
Vinyl chloride	ND	0.259	--	ND	0.662	--		1.295
1,3-Butadiene	ND	0.259	--	ND	0.573	--		1.295
Bromomethane	ND	0.259	--	ND	1.01	--		1.295
Chloroethane	ND	0.259	--	ND	0.683	--		1.295
Ethanol	25.0	6.48	--	47.1	12.2	--		1.295
Vinyl bromide	ND	0.259	--	ND	1.13	--		1.295
Acetone	41.8	1.30	--	99.3	3.09	--		1.295
Trichlorofluoromethane	0.501	0.259	--	2.82	1.46	--		1.295
1,1-Dichloroethene	ND	0.259	--	ND	1.03	--		1.295
Tertiary butyl Alcohol	5.14	0.648	--	15.6	1.96	--		1.295
Methylene chloride	1.49	0.648	--	5.18	2.25	--		1.295
3-Chloropropene	ND	0.259	--	ND	0.811	--		1.295
Carbon disulfide	1.09	0.259	--	3.39	0.807	--		1.295
Freon-113	ND	0.259	--	ND	1.99	--		1.295
trans-1,2-Dichloroethene	ND	0.259	--	ND	1.03	--		1.295
1,1-Dichloroethane	ND	0.259	--	ND	1.05	--		1.295
Methyl tert butyl ether	ND	0.259	--	ND	0.934	--		1.295
2-Butanone	4.98	0.648	--	14.7	1.91	--		1.295
cis-1,2-Dichloroethene	ND	0.259	--	ND	1.03	--		1.295
Ethyl Acetate	ND	0.648	--	ND	2.34	--		1.295



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-04 D
 Client ID: SS-04
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:04
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.695	0.259	--	3.39	1.26	--		1.295
Tetrahydrofuran	7.58	0.648	--	22.4	1.91	--		1.295
1,2-Dichloroethane	ND	0.259	--	ND	1.05	--		1.295
n-Hexane	3.85	0.259	--	13.6	0.913	--		1.295
1,1,1-Trichloroethane	0.943	0.259	--	5.15	1.41	--		1.295
Benzene	3.26	0.259	--	10.4	0.827	--		1.295
Carbon tetrachloride	ND	0.259	--	ND	1.63	--		1.295
Cyclohexane	3.03	0.259	--	10.4	0.892	--		1.295
1,2-Dichloropropane	ND	0.259	--	ND	1.20	--		1.295
Bromodichloromethane	ND	0.259	--	ND	1.74	--		1.295
1,4-Dioxane	ND	0.259	--	ND	0.933	--		1.295
Trichloroethene	ND	0.259	--	ND	1.39	--		1.295
2,2,4-Trimethylpentane	2.74	0.259	--	12.8	1.21	--		1.295
Heptane	6.02	0.259	--	24.7	1.06	--		1.295
cis-1,3-Dichloropropene	ND	0.259	--	ND	1.18	--		1.295
4-Methyl-2-pentanone	ND	0.648	--	ND	2.66	--		1.295
trans-1,3-Dichloropropene	ND	0.259	--	ND	1.18	--		1.295
1,1,2-Trichloroethane	ND	0.259	--	ND	1.41	--		1.295
Toluene	71.6	0.259	--	270	0.976	--		1.295
2-Hexanone	ND	0.259	--	ND	1.06	--		1.295
Dibromochloromethane	ND	0.259	--	ND	2.21	--		1.295
1,2-Dibromoethane	ND	0.259	--	ND	1.99	--		1.295
Tetrachloroethene	ND	0.259	--	ND	1.76	--		1.295
Chlorobenzene	ND	0.259	--	ND	1.19	--		1.295
Ethylbenzene	21.0	0.259	--	91.2	1.12	--		1.295
p/m-Xylene	73.5	0.518	--	319	2.25	--		1.295



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-04 D
 Client ID: SS-04
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:04
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.259	--	ND	2.68	--		1.295
Styrene	0.321	0.259	--	1.37	1.10	--		1.295
1,1,2,2-Tetrachloroethane	ND	0.259	--	ND	1.78	--		1.295
o-Xylene	31.8	0.259	--	138	1.12	--		1.295
4-Ethyltoluene	3.77	0.259	--	18.5	1.27	--		1.295
1,3,5-Trimethylbenzene	5.12	0.259	--	25.2	1.27	--		1.295
1,2,4-Trimethylbenzene	17.2	0.259	--	84.6	1.27	--		1.295
Benzyl chloride	ND	0.259	--	ND	1.34	--		1.295
1,3-Dichlorobenzene	ND	0.259	--	ND	1.56	--		1.295
1,4-Dichlorobenzene	ND	0.259	--	ND	1.56	--		1.295
1,2-Dichlorobenzene	ND	0.259	--	ND	1.56	--		1.295
1,2,4-Trichlorobenzene	ND	0.259	--	ND	1.92	--		1.295
Hexachlorobutadiene	ND	0.259	--	ND	2.76	--		1.295

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	107		60-140



Project Name: BARNET MILLS**Project Number:** 21-26694-E**Lab Number:** L2140488**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-07
 Client ID: SS-07
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:20
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/01/21 22:38
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.488	0.200	--	2.41	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	94.8	5.00	--	179	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	72.7	1.00	--	173	2.38	--		1
Trichlorofluoromethane	0.348	0.200	--	1.96	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	8.85	0.500	--	26.8	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.13	0.200	--	3.52	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	4.11	0.500	--	12.1	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-07
 Client ID: SS-07
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:20
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.269	0.200	--	1.31	0.977	--		1
Tetrahydrofuran	12.2	0.500	--	36.0	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	4.68	0.200	--	16.5	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	9.23	0.200	--	29.5	0.639	--		1
Carbon tetrachloride	2.70	0.200	--	17.0	1.26	--		1
Cyclohexane	4.57	0.200	--	15.7	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	3.77	0.200	--	17.6	0.934	--		1
Heptane	8.45	0.200	--	34.6	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.703	0.500	--	2.88	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	82.9	0.200	--	312	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	22.1	0.200	--	96.0	0.869	--		1
p/m-Xylene	67.9	0.400	--	295	1.74	--		1



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-07
 Client ID: SS-07
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:20
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.472	0.200	--	2.01	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	27.7	0.200	--	120	0.869	--		1
4-Ethyltoluene	2.25	0.200	--	11.1	0.983	--		1
1,3,5-Trimethylbenzene	2.74	0.200	--	13.5	0.983	--		1
1,2,4-Trimethylbenzene	8.54	0.200	--	42.0	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	107		60-140



Project Name: BARNET MILLS**Project Number:** 21-26694-E**Lab Number:** L2140488**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-08 D
 Client ID: SS-08
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:27
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/01/21 23:19
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.60	0.792	--	7.91	3.92	--		3.961
Chloromethane	ND	0.792	--	ND	1.64	--		3.961
Freon-114	ND	0.792	--	ND	5.54	--		3.961
Vinyl chloride	ND	0.792	--	ND	2.02	--		3.961
1,3-Butadiene	2.68	0.792	--	5.93	1.75	--		3.961
Bromomethane	ND	0.792	--	ND	3.08	--		3.961
Chloroethane	ND	0.792	--	ND	2.09	--		3.961
Ethanol	200	19.8	--	377	37.3	--		3.961
Vinyl bromide	ND	0.792	--	ND	3.46	--		3.961
Acetone	475	3.96	--	1130	9.41	--		3.961
Trichlorofluoromethane	ND	0.792	--	ND	4.45	--		3.961
1,1-Dichloroethene	ND	0.792	--	ND	3.14	--		3.961
Tertiary butyl Alcohol	33.4	1.98	--	101	6.00	--		3.961
Methylene chloride	2.02	1.98	--	7.02	6.88	--		3.961
3-Chloropropene	ND	0.792	--	ND	2.48	--		3.961
Carbon disulfide	2.19	0.792	--	6.82	2.47	--		3.961
Freon-113	ND	0.792	--	ND	6.07	--		3.961
trans-1,2-Dichloroethene	ND	0.792	--	ND	3.14	--		3.961
1,1-Dichloroethane	ND	0.792	--	ND	3.21	--		3.961
Methyl tert butyl ether	ND	0.792	--	ND	2.86	--		3.961
2-Butanone	12.0	1.98	--	35.4	5.84	--		3.961
cis-1,2-Dichloroethene	ND	0.792	--	ND	3.14	--		3.961
Ethyl Acetate	ND	1.98	--	ND	7.14	--		3.961



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-08 D
 Client ID: SS-08
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:27
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.792	--	ND	3.87	--		3.961
Tetrahydrofuran	5.59	1.98	--	16.5	5.84	--		3.961
1,2-Dichloroethane	ND	0.792	--	ND	3.21	--		3.961
n-Hexane	12.7	0.792	--	44.8	2.79	--		3.961
1,1,1-Trichloroethane	ND	0.792	--	ND	4.32	--		3.961
Benzene	9.95	0.792	--	31.8	2.53	--		3.961
Carbon tetrachloride	2.21	0.792	--	13.9	4.98	--		3.961
Cyclohexane	8.90	0.792	--	30.6	2.73	--		3.961
1,2-Dichloropropane	ND	0.792	--	ND	3.66	--		3.961
Bromodichloromethane	ND	0.792	--	ND	5.31	--		3.961
1,4-Dioxane	ND	0.792	--	ND	2.85	--		3.961
Trichloroethene	ND	0.792	--	ND	4.26	--		3.961
2,2,4-Trimethylpentane	8.77	0.792	--	41.0	3.70	--		3.961
Heptane	17.1	0.792	--	70.1	3.25	--		3.961
cis-1,3-Dichloropropene	ND	0.792	--	ND	3.60	--		3.961
4-Methyl-2-pentanone	ND	1.98	--	ND	8.11	--		3.961
trans-1,3-Dichloropropene	ND	0.792	--	ND	3.60	--		3.961
1,1,2-Trichloroethane	ND	0.792	--	ND	4.32	--		3.961
Toluene	176	0.792	--	663	2.98	--		3.961
2-Hexanone	ND	0.792	--	ND	3.25	--		3.961
Dibromochloromethane	ND	0.792	--	ND	6.75	--		3.961
1,2-Dibromoethane	ND	0.792	--	ND	6.09	--		3.961
Tetrachloroethene	ND	0.792	--	ND	5.37	--		3.961
Chlorobenzene	ND	0.792	--	ND	3.65	--		3.961
Ethylbenzene	29.3	0.792	--	127	3.44	--		3.961
p/m-Xylene	97.6	1.58	--	424	6.86	--		3.961



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-08 D
 Client ID: SS-08
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:27
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.792	--	ND	8.19	--		3.961
Styrene	ND	0.792	--	ND	3.37	--		3.961
1,1,2,2-Tetrachloroethane	ND	0.792	--	ND	5.44	--		3.961
o-Xylene	34.9	0.792	--	152	3.44	--		3.961
4-Ethyltoluene	2.59	0.792	--	12.7	3.89	--		3.961
1,3,5-Trimethylbenzene	2.87	0.792	--	14.1	3.89	--		3.961
1,2,4-Trimethylbenzene	8.98	0.792	--	44.1	3.89	--		3.961
Benzyl chloride	ND	0.792	--	ND	4.10	--		3.961
1,3-Dichlorobenzene	ND	0.792	--	ND	4.76	--		3.961
1,4-Dichlorobenzene	ND	0.792	--	ND	4.76	--		3.961
1,2-Dichlorobenzene	ND	0.792	--	ND	4.76	--		3.961
1,2,4-Trichlorobenzene	ND	0.792	--	ND	5.88	--		3.961
Hexachlorobutadiene	ND	0.792	--	ND	8.45	--		3.961

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	106		60-140



Project Name: BARNET MILLS**Project Number:** 21-26694-E**Lab Number:** L2140488**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-09 D
 Client ID: SS-09
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:32
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/01/21 23:59
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.475	0.307	--	2.35	1.52	--		1.536
Chloromethane	0.389	0.307	--	0.803	0.634	--		1.536
Freon-114	ND	0.307	--	ND	2.15	--		1.536
Vinyl chloride	ND	0.307	--	ND	0.785	--		1.536
1,3-Butadiene	ND	0.307	--	ND	0.679	--		1.536
Bromomethane	ND	0.307	--	ND	1.19	--		1.536
Chloroethane	ND	0.307	--	ND	0.810	--		1.536
Ethanol	9.53	7.68	--	18.0	14.5	--		1.536
Vinyl bromide	ND	0.307	--	ND	1.34	--		1.536
Acetone	39.6	1.54	--	94.1	3.66	--		1.536
Trichlorofluoromethane	0.312	0.307	--	1.75	1.73	--		1.536
1,1-Dichloroethene	ND	0.307	--	ND	1.22	--		1.536
Tertiary butyl Alcohol	7.66	0.768	--	23.2	2.33	--		1.536
Methylene chloride	ND	0.768	--	ND	2.67	--		1.536
3-Chloropropene	ND	0.307	--	ND	0.961	--		1.536
Carbon disulfide	1.32	0.307	--	4.11	0.956	--		1.536
Freon-113	ND	0.307	--	ND	2.35	--		1.536
trans-1,2-Dichloroethene	ND	0.307	--	ND	1.22	--		1.536
1,1-Dichloroethane	ND	0.307	--	ND	1.24	--		1.536
Methyl tert butyl ether	ND	0.307	--	ND	1.11	--		1.536
2-Butanone	8.25	0.768	--	24.3	2.27	--		1.536
cis-1,2-Dichloroethene	ND	0.307	--	ND	1.22	--		1.536
Ethyl Acetate	ND	0.768	--	ND	2.77	--		1.536



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-09 D
 Client ID: SS-09
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:32
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.307	--	ND	1.50	--		1.536
Tetrahydrofuran	4.82	0.768	--	14.2	2.27	--		1.536
1,2-Dichloroethane	ND	0.307	--	ND	1.24	--		1.536
n-Hexane	4.33	0.307	--	15.3	1.08	--		1.536
1,1,1-Trichloroethane	0.782	0.307	--	4.27	1.68	--		1.536
Benzene	4.61	0.307	--	14.7	0.981	--		1.536
Carbon tetrachloride	ND	0.307	--	ND	1.93	--		1.536
Cyclohexane	3.52	0.307	--	12.1	1.06	--		1.536
1,2-Dichloropropane	ND	0.307	--	ND	1.42	--		1.536
Bromodichloromethane	ND	0.307	--	ND	2.06	--		1.536
1,4-Dioxane	ND	0.307	--	ND	1.11	--		1.536
Trichloroethene	ND	0.307	--	ND	1.65	--		1.536
2,2,4-Trimethylpentane	3.45	0.307	--	16.1	1.43	--		1.536
Heptane	8.63	0.307	--	35.4	1.26	--		1.536
cis-1,3-Dichloropropene	ND	0.307	--	ND	1.39	--		1.536
4-Methyl-2-pentanone	0.803	0.768	--	3.29	3.15	--		1.536
trans-1,3-Dichloropropene	ND	0.307	--	ND	1.39	--		1.536
1,1,2-Trichloroethane	ND	0.307	--	ND	1.68	--		1.536
Toluene	94.7	0.307	--	357	1.16	--		1.536
2-Hexanone	ND	0.307	--	ND	1.26	--		1.536
Dibromochloromethane	ND	0.307	--	ND	2.62	--		1.536
1,2-Dibromoethane	ND	0.307	--	ND	2.36	--		1.536
Tetrachloroethene	1.82	0.307	--	12.3	2.08	--		1.536
Chlorobenzene	ND	0.307	--	ND	1.41	--		1.536
Ethylbenzene	24.4	0.307	--	106	1.33	--		1.536
p/m-Xylene	81.4	0.614	--	354	2.67	--		1.536



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-09 D
 Client ID: SS-09
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:32
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.307	--	ND	3.17	--		1.536
Styrene	0.422	0.307	--	1.80	1.31	--		1.536
1,1,2,2-Tetrachloroethane	ND	0.307	--	ND	2.11	--		1.536
o-Xylene	32.2	0.307	--	140	1.33	--		1.536
4-Ethyltoluene	3.31	0.307	--	16.3	1.51	--		1.536
1,3,5-Trimethylbenzene	3.80	0.307	--	18.7	1.51	--		1.536
1,2,4-Trimethylbenzene	12.6	0.307	--	61.9	1.51	--		1.536
Benzyl chloride	ND	0.307	--	ND	1.59	--		1.536
1,3-Dichlorobenzene	ND	0.307	--	ND	1.85	--		1.536
1,4-Dichlorobenzene	ND	0.307	--	ND	1.85	--		1.536
1,2-Dichlorobenzene	ND	0.307	--	ND	1.85	--		1.536
1,2,4-Trichlorobenzene	ND	0.307	--	ND	2.28	--		1.536
Hexachlorobutadiene	ND	0.307	--	ND	3.27	--		1.536

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	110		60-140



Project Name: BARNET MILLS**Project Number:** 21-26694-E**Lab Number:** L2140488**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-10
 Client ID: AA-01
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:40
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/01/21 17:06
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.399	0.200	--	1.97	0.989	--		1
Chloromethane	0.488	0.200	--	1.01	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.20	1.00	--	17.1	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-10
 Client ID: AA-01
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:40
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	2.68	0.500	--	7.90	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.532	0.200	--	1.87	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.477	0.200	--	1.52	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.230	0.200	--	0.792	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.513	0.200	--	2.40	0.934	--		1
Heptane	0.529	0.200	--	2.17	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	16.1	0.200	--	60.7	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.564	0.200	--	2.45	0.869	--		1
p/m-Xylene	1.89	0.400	--	8.21	1.74	--		1



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**SAMPLE RESULTS**

Lab ID: L2140488-10
 Client ID: AA-01
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:40
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.625	0.200	--	2.71	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	95		60-140



Project Name: BARNET MILLS

Lab Number: L2140488

Project Number: 21-26694-E

Report Date: 08/02/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 08/01/21 14:35

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04,07-10 Batch: WG1530310-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: BARNET MILLS

Lab Number: L2140488

Project Number: 21-26694-E

Report Date: 08/02/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 08/01/21 14:35

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04,07-10 Batch: WG1530310-4								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1



Project Name: BARNET MILLS

Lab Number: L2140488

Project Number: 21-26694-E

Report Date: 08/02/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 08/01/21 14:35

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04,07-10 Batch: WG1530310-4								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694-E

Lab Number: L2140488

Report Date: 08/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07-10 Batch: WG1530310-3								
Dichlorodifluoromethane	72		-		70-130	-		
Chloromethane	88		-		70-130	-		
Freon-114	82		-		70-130	-		
Vinyl chloride	87		-		70-130	-		
1,3-Butadiene	89		-		70-130	-		
Bromomethane	83		-		70-130	-		
Chloroethane	89		-		70-130	-		
Ethanol	76		-		40-160	-		
Vinyl bromide	84		-		70-130	-		
Acetone	92		-		40-160	-		
Trichlorofluoromethane	105		-		70-130	-		
1,1-Dichloroethene	112		-		70-130	-		
Tertiary butyl Alcohol	96		-		70-130	-		
Methylene chloride	123		-		70-130	-		
3-Chloropropene	131	Q	-		70-130	-		
Carbon disulfide	102		-		70-130	-		
Freon-113	114		-		70-130	-		
trans-1,2-Dichloroethene	101		-		70-130	-		
1,1-Dichloroethane	102		-		70-130	-		
Methyl tert butyl ether	95		-		70-130	-		
2-Butanone	108		-		70-130	-		
cis-1,2-Dichloroethene	104		-		70-130	-		
Ethyl Acetate	110		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694-E

Lab Number: L2140488

Report Date: 08/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07-10 Batch: WG1530310-3								
Chloroform	95		-		70-130	-		
Tetrahydrofuran	108		-		70-130	-		
1,2-Dichloroethane	87		-		70-130	-		
n-Hexane	106		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
Benzene	99		-		70-130	-		
Carbon tetrachloride	103		-		70-130	-		
Cyclohexane	107		-		70-130	-		
1,2-Dichloropropane	112		-		70-130	-		
Bromodichloromethane	101		-		70-130	-		
1,4-Dioxane	85		-		70-130	-		
Trichloroethene	109		-		70-130	-		
2,2,4-Trimethylpentane	108		-		70-130	-		
Heptane	115		-		70-130	-		
cis-1,3-Dichloropropene	111		-		70-130	-		
4-Methyl-2-pentanone	117		-		70-130	-		
trans-1,3-Dichloropropene	97		-		70-130	-		
1,1,2-Trichloroethane	111		-		70-130	-		
Toluene	110		-		70-130	-		
2-Hexanone	80		-		70-130	-		
Dibromochloromethane	125		-		70-130	-		
1,2-Dibromoethane	114		-		70-130	-		
Tetrachloroethene	110		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694-E

Lab Number: L2140488

Report Date: 08/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07-10 Batch: WG1530310-3								
Chlorobenzene	111		-		70-130	-		
Ethylbenzene	113		-		70-130	-		
p/m-Xylene	112		-		70-130	-		
Bromoform	135	Q	-		70-130	-		
Styrene	113		-		70-130	-		
1,1,2,2-Tetrachloroethane	121		-		70-130	-		
o-Xylene	113		-		70-130	-		
4-Ethyltoluene	110		-		70-130	-		
1,3,5-Trimethylbenzene	109		-		70-130	-		
1,2,4-Trimethylbenzene	113		-		70-130	-		
Benzyl chloride	144	Q	-		70-130	-		
1,3-Dichlorobenzene	110		-		70-130	-		
1,4-Dichlorobenzene	112		-		70-130	-		
1,2-Dichlorobenzene	113		-		70-130	-		
1,2,4-Trichlorobenzene	114		-		70-130	-		
Hexachlorobutadiene	108		-		70-130	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694-E

Lab Number: L2140488

Report Date: 08/02/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07-10 QC Batch ID: WG1530310-5 QC Sample: L2140488-01 Client ID: SS-01						
Dichlorodifluoromethane	0.392	0.380	ppbV	3		25
Chloromethane	0.507	0.498	ppbV	2		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	14.0	13.7	ppbV	2		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	15.8	16.3	ppbV	3		25
Trichlorofluoromethane	0.332	0.316	ppbV	5		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	1.46	1.44	ppbV	1		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	0.388	0.380	ppbV	2		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	0.928	0.927	ppbV	0		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694-E

Lab Number: L2140488

Report Date: 08/02/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07-10 QC Batch ID: WG1530310-5 QC Sample: L2140488-01 Client ID: SS-01						
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	1.84	1.77	ppbV	4		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	1.66	1.62	ppbV	2		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	1.65	1.61	ppbV	2		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	1.54	1.49	ppbV	3		25
Heptane	3.21	3.10	ppbV	3		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	29.7	29.2	ppbV	2		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694-E

Lab Number: L2140488

Report Date: 08/02/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07-10 QC Batch ID: WG1530310-5 QC Sample: L2140488-01 Client ID: SS-01						
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	4.42	4.32	ppbV	2		25
p/m-Xylene	14.7	14.4	ppbV	2		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	5.40	5.30	ppbV	2		25
4-Ethyltoluene	0.398	0.373	ppbV	6		25
1,3,5-Trimethylbenzene	0.453	0.442	ppbV	2		25
1,2,4-Trimethylbenzene	1.42	1.41	ppbV	1		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: BARNET MILLS

Serial_No:08022117:02
Lab Number: L2140488

Project Number: 21-26694-E

Report Date: 08/02/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2140488-01	SS-01	02096	Flow 3	07/22/21	358638		-	-	-	Pass	4.5	4.9	9
L2140488-01	SS-01	3402	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.3	1.6	-	-	-	-
L2140488-02	SS-02	0875	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	4.7	4
L2140488-02	SS-02	3435	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.0	-8.1	-	-	-	-
L2140488-03	SS-03	01679	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	4.6	2
L2140488-03	SS-03	444	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.3	-8.6	-	-	-	-
L2140488-04	SS-04	01782	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	4.9	9
L2140488-04	SS-04	2332	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.2	-12.3	-	-	-	-
L2140488-05	SS-05	01365	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	.6	153
L2140488-05	SS-05	1718	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.3	-28.2	-	-	-	-
L2140488-06	SS-06	01062	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	4.5	0
L2140488-06	SS-06	3175	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.1	-26.9	-	-	-	-
L2140488-07	SS-07	0101	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	4.6	2
L2140488-07	SS-07	186	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.1	-9.5	-	-	-	-
L2140488-08	SS-08	0096	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	4.8	6

Project Name: BARNET MILLS

Project Number: 21-26694-E

Serial_No:08022117:02
Lab Number: L2140488

Report Date: 08/02/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2140488-08	SS-08	2819	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.4	-23.1	-	-	-	-
L2140488-09	SS-09	02076	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	4.4	2
L2140488-09	SS-09	2791	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.4	-11.4	-	-	-	-
L2140488-10	AA-01	0492	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	4.4	2
L2140488-10	AA-01	3006	2.7L Can	07/22/21	358638	L2138499-01	Pass	-29.3	-11.5	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2138213
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138213-02
Client ID: CAN 335 SHELF 16
Sample Location:

Date Collected: 07/15/21 16:00
Date Received: 07/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 07/16/21 17:54
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2138213
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138213-02
Client ID: CAN 335 SHELF 16
Sample Location:

Date Collected: 07/15/21 16:00
Date Received: 07/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2138213
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138213-02
Client ID: CAN 335 SHELF 16
Sample Location:

Date Collected: 07/15/21 16:00
Date Received: 07/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2138213
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138213-02
Client ID: CAN 335 SHELF 16
Sample Location:

Date Collected: 07/15/21 16:00
Date Received: 07/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2138213**Project Number:** CANISTER QC BAT**Report Date:** 08/02/21**Air Canister Certification Results**

Lab ID: L2138213-02

Date Collected: 07/15/21 16:00

Client ID: CAN 335 SHELF 16

Date Received: 07/16/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Silanol, Trimethyl-	1.7	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	95		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2138213
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138213-02
Client ID: CAN 335 SHELF 16
Sample Location:

Date Collected: 07/15/21 16:00
Date Received: 07/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 07/16/21 17:54
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2138213
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138213-02
Client ID: CAN 335 SHELF 16
Sample Location:

Date Collected: 07/15/21 16:00
Date Received: 07/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2138213**Project Number:** CANISTER QC BAT**Report Date:** 08/02/21**Air Canister Certification Results**

Lab ID: L2138213-02

Date Collected: 07/15/21 16:00

Client ID: CAN 335 SHELF 16

Date Received: 07/16/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2138499
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138499-01
Client ID: CAN 560 SHELF 2
Sample Location:

Date Collected: 07/16/21 16:00
Date Received: 07/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 07/19/21 17:14
Analyst: AW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2138499
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138499-01
Client ID: CAN 560 SHELF 2
Sample Location:

Date Collected: 07/16/21 16:00
Date Received: 07/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2138499
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138499-01
Client ID: CAN 560 SHELF 2
Sample Location:

Date Collected: 07/16/21 16:00
Date Received: 07/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2138499
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138499-01
Client ID: CAN 560 SHELF 2
Sample Location:

Date Collected: 07/16/21 16:00
Date Received: 07/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2138499**Project Number:** CANISTER QC BAT**Report Date:** 08/02/21**Air Canister Certification Results**

Lab ID: L2138499-01

Date Collected: 07/16/21 16:00

Client ID: CAN 560 SHELF 2

Date Received: 07/19/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2138499
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138499-01
Client ID: CAN 560 SHELF 2
Sample Location:

Date Collected: 07/16/21 16:00
Date Received: 07/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 07/19/21 17:14
Analyst: AW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2138499
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138499-01
Client ID: CAN 560 SHELF 2
Sample Location:

Date Collected: 07/16/21 16:00
Date Received: 07/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2138499
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138499-01
Client ID: CAN 560 SHELF 2
Sample Location:

Date Collected: 07/16/21 16:00
Date Received: 07/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

NA Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2140488-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2140488-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2140488-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2140488-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2140488-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		CANCELLED()
L2140488-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		CANCELLED()
L2140488-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2140488-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2140488-09A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2140488-10A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21

GLOSSARY

Acronyms

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

Report Format: Data Usability Report

Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**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.

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'.

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.

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.)

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report



Project Name: BARNET MILLS**Lab Number:** L2140488**Project Number:** 21-26694-E**Report Date:** 08/02/21**Data Qualifiers**

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.

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

AIR ANALYSIS

PAGE 1 OF 1



CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Alpine Environmental Services

Address: 438 New Karner Road

Albany NY

Phone: 518-588-2104

Fax:

Email: KimB@Alpineenv.com

☒ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐ Do

Project Information

Project Name: Barnet Mills

Project Location: Rensselaer, NY

Project #: 21-26694-E

Project Manager: Baines

ALPHA Quote #:

Turn-Around Time

☒ Standard

☐ RUSH (only confirmed if pre-approved)

Date Due:

Time:

Date Rec'd in Lab:

7/25/21

Report Information - Data Deliverables

☐ FAX

☐ ADEX

Criteria Checker: _____

(Default based on Regulatory Criteria Indicated)

Other Formats: _____

☒ EMAIL (standard pdf report)

☐ Additional Deliverables: _____

Report to: (if different than Project Manager)

ALPHA Job #: C2140488

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

ANALYSIS

TO-15
TO-15 SIM
APH
Fixed Gases
Sulfides & Mercaptans by TO-15

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum												
40498-01	SS-01	7/27/21	7:40	14:20	-30	-0.2	SG	KB	1L	3402	2096	X						* DO NOT
-02	SS-02	7/27/21	7:55	14:53	-29.8	-10.3	SG	KB	1L	3435	875	X						Report
-03	SS-03	7/27/21	8:00	14:55	-30	-10.5	SG	KB	1L	444	1679	X						Isopropyl
-04	SS-04	7/27/21	8:05	15:04	-29.7	-14.4	SG	KB	1L	2332	1782	X						Alcohol *
-05	SS-05	7/27/21	8:20	15:10	-30	-29.7	SG	KB	1L	1718	1365	X						
-06	SS-06	7/27/21	8:20	15:10	-30	-29.7	SG	KB	1L	3175	1062	X						
-07	SS-07	7/27/21	8:42	15:20	-30	-11.5	SG	KB	1L	186	101	X						
-08	SS-08	7/27/21	8:52	15:27	-29.8	-24.8	SG	KB	1L	2819	096	X						
-09	SS-09	7/27/21	9:05	15:32	-30	-13.4	SG	KB	1L	2791	2076	X						
-10	AA-01	7/27/21	9:10	15:40	-30	-13.2	AA	KB	1L	3006	492	X						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

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

Relinquished By:

Date/Time

Received By:

Date/Time:

Kim Baines

7/28/21 12:42

7/25/21 12:42

7/25/21 12:42

SOIL SAMPLES FROM TEST PITS

STORM DRAIN AND SUBSTATION SAMPLES



ANALYTICAL REPORT

Lab Number:	L2140625
Client:	Alpine Environmental 438 New Karner Road Albany, NY 12205
ATTN:	Kim Baines
Phone:	(518) 250-4047
Project Name:	BARNET MILLS
Project Number:	21-26694E
Report Date:	08/05/21

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-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2140625-01	TP-1 6-8FT	SOIL	RENSSELAER, NY	07/27/21 09:40	07/28/21
L2140625-02	TP-1 8-10FT	SOIL	RENSSELAER, NY	07/27/21 09:50	07/28/21
L2140625-03	TP-9 8-9FT	SOIL	RENSSELAER, NY	07/27/21 14:15	07/28/21
L2140625-04	TP-11 10FT	SOIL	RENSSELAER, NY	07/27/21 15:10	07/28/21

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Case Narrative

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

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

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

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

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

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

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Case Narrative (continued)

Report Submission

August 05, 2021: This final report includes the results of all requested analyses.

August 04, 2021: 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.

The Total Metals analysis was subcontracted. A copy of the laboratory report is included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L2140625-01 and -02: The methanol vial was analyzed in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The results of both analyses are reported.

PCBs

L2140625-01D: The surrogate recoveries are outside the acceptance criteria for decachlorobiphenyl (1230%, 1320%); however, the sample was not re-extracted due to coelution with Aroclor 1268.

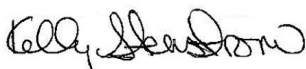
L2140625-02D: The surrogate recoveries are outside the acceptance criteria for decachlorobiphenyl (1882%, 2050%); however, the sample was not re-extracted due to coelution with Aroclor 1268.

L2140625-03: The surrogate recoveries are outside the acceptance criteria for decachlorobiphenyl (201%, 217%); however, the sample was not re-extracted due to coelution with Aroclor 1268.

L2140625-04D: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

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

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 08/05/21

ORGANICS

VOLATILES

Project Name: BARNET MILLS**Lab Number:** L2140625**Project Number:** 21-26694E**Report Date:** 08/05/21**SAMPLE RESULTS**

Lab ID: L2140625-01
 Client ID: TP-1 6-8FT
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 09:40
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/03/21 02:26
 Analyst: JC
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.15	J	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	0.13	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	0.51	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	2.0		ug/kg	1.0	0.55	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: BARNET MILLS

Lab Number: L2140625

Project Number: 21-26694E

Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-01
 Client ID: TP-1 6-8FT
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 09:40
 Date Received: 07/28/21
 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/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	0.57	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	0.93	1
Acetone	360	E	ug/kg	10	4.9	1
Carbon disulfide	8.8	J	ug/kg	10	4.6	1
2-Butanone	74		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	3.0	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	0.55	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	108		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: BARNET MILLS**Lab Number:** L2140625**Project Number:** 21-26694E**Report Date:** 08/05/21**SAMPLE RESULTS**

Lab ID: L2140625-01
 Client ID: TP-1 6-8FT
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 09:40
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/04/21 01:01
 Analyst: JC
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	300	140	1
1,1-Dichloroethane	ND		ug/kg	60	8.6	1
Chloroform	11	J	ug/kg	89	8.3	1
Carbon tetrachloride	ND		ug/kg	60	14.	1
1,2-Dichloropropane	ND		ug/kg	60	7.4	1
Dibromochloromethane	ND		ug/kg	60	8.3	1
1,1,2-Trichloroethane	ND		ug/kg	60	16.	1
Tetrachloroethene	ND		ug/kg	30	12.	1
Chlorobenzene	ND		ug/kg	30	7.6	1
Trichlorofluoromethane	ND		ug/kg	240	41.	1
1,2-Dichloroethane	ND		ug/kg	60	15.	1
1,1,1-Trichloroethane	ND		ug/kg	30	10.	1
Bromodichloromethane	ND		ug/kg	30	6.5	1
trans-1,3-Dichloropropene	ND		ug/kg	60	16.	1
cis-1,3-Dichloropropene	ND		ug/kg	30	9.4	1
Bromoform	ND		ug/kg	240	15.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	30	9.9	1
Benzene	ND		ug/kg	30	9.9	1
Toluene	100		ug/kg	60	32.	1
Ethylbenzene	ND		ug/kg	60	8.4	1
Chloromethane	ND		ug/kg	240	56.	1
Bromomethane	ND		ug/kg	120	35.	1
Vinyl chloride	ND		ug/kg	60	20.	1
Chloroethane	ND		ug/kg	120	27.	1
1,1-Dichloroethene	ND		ug/kg	60	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	89	8.2	1
Trichloroethene	ND		ug/kg	30	8.2	1
1,2-Dichlorobenzene	ND		ug/kg	120	8.6	1

Project Name: BARNET MILLS**Lab Number:** L2140625**Project Number:** 21-26694E**Report Date:** 08/05/21**SAMPLE RESULTS****Lab ID:** L2140625-01**Date Collected:** 07/27/21 09:40**Client ID:** TP-1 6-8FT**Date Received:** 07/28/21**Sample Location:** RENSSELAER, NY**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/kg	120	8.8	1
1,4-Dichlorobenzene	ND		ug/kg	120	10.	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	ND		ug/kg	120	33.	1
o-Xylene	ND		ug/kg	60	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	60	10.	1
Styrene	ND		ug/kg	60	12.	1
Dichlorodifluoromethane	ND		ug/kg	600	54.	1
Acetone	440	J	ug/kg	600	290	1
Carbon disulfide	ND		ug/kg	600	270	1
2-Butanone	190	J	ug/kg	600	130	1
4-Methyl-2-pentanone	ND		ug/kg	600	76.	1
2-Hexanone	ND		ug/kg	600	70.	1
Bromochloromethane	ND		ug/kg	120	12.	1
1,2-Dibromoethane	ND		ug/kg	60	17.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	180	59.	1
Isopropylbenzene	ND		ug/kg	60	6.5	1
1,2,3-Trichlorobenzene	ND		ug/kg	120	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	16.	1
Methyl Acetate	330		ug/kg	240	57.	1
Cyclohexane	ND		ug/kg	600	32.	1
1,4-Dioxane	ND		ug/kg	4800	2100	1
Freon-113	ND		ug/kg	240	41.	1
Methyl cyclohexane	ND		ug/kg	240	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

Project Name: BARNET MILLS**Lab Number:** L2140625**Project Number:** 21-26694E**Report Date:** 08/05/21**SAMPLE RESULTS**

Lab ID: L2140625-02
 Client ID: TP-1 8-10FT
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 09:50
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/03/21 03:44
 Analyst: JC
 Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.20	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	14		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1

Project Name: BARNET MILLS**Lab Number:** L2140625**Project Number:** 21-26694E**Report Date:** 08/05/21**SAMPLE RESULTS**

Lab ID: L2140625-02
 Client ID: TP-1 8-10FT
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 09:50
 Date Received: 07/28/21
 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/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.24	1
p/m-Xylene	ND		ug/kg	2.3	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	820	E	ug/kg	12	5.6	1
Carbon disulfide	10	J	ug/kg	12	5.3	1
2-Butanone	150		ug/kg	12	2.6	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	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
Methyl Acetate	ND		ug/kg	4.7	1.1	1
Cyclohexane	ND		ug/kg	12	0.64	1
1,4-Dioxane	ND		ug/kg	94	41.	1
Freon-113	ND		ug/kg	4.7	0.81	1
Methyl cyclohexane	ND		ug/kg	4.7	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: BARNET MILLS**Lab Number:** L2140625**Project Number:** 21-26694E**Report Date:** 08/05/21**SAMPLE RESULTS**

Lab ID: L2140625-02
 Client ID: TP-1 8-10FT
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 09:50
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/04/21 01:27
 Analyst: JC
 Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	360	160	1
1,1-Dichloroethane	ND		ug/kg	71	10.	1
Chloroform	12	J	ug/kg	110	10.	1
Carbon tetrachloride	ND		ug/kg	71	16.	1
1,2-Dichloropropane	ND		ug/kg	71	8.9	1
Dibromochloromethane	ND		ug/kg	71	10.	1
1,1,2-Trichloroethane	ND		ug/kg	71	19.	1
Tetrachloroethene	ND		ug/kg	36	14.	1
Chlorobenzene	ND		ug/kg	36	9.1	1
Trichlorofluoromethane	ND		ug/kg	280	50.	1
1,2-Dichloroethane	ND		ug/kg	71	18.	1
1,1,1-Trichloroethane	ND		ug/kg	36	12.	1
Bromodichloromethane	ND		ug/kg	36	7.8	1
trans-1,3-Dichloropropene	ND		ug/kg	71	20.	1
cis-1,3-Dichloropropene	ND		ug/kg	36	11.	1
Bromoform	ND		ug/kg	280	18.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	36	12.	1
Benzene	ND		ug/kg	36	12.	1
Toluene	1700		ug/kg	71	39.	1
Ethylbenzene	ND		ug/kg	71	10.	1
Chloromethane	ND		ug/kg	280	66.	1
Bromomethane	ND		ug/kg	140	42.	1
Vinyl chloride	ND		ug/kg	71	24.	1
Chloroethane	ND		ug/kg	140	32.	1
1,1-Dichloroethene	ND		ug/kg	71	17.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	9.8	1
Trichloroethene	ND		ug/kg	36	9.8	1
1,2-Dichlorobenzene	ND		ug/kg	140	10.	1

Project Name: BARNET MILLS

Lab Number: L2140625

Project Number: 21-26694E

Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-02
 Client ID: TP-1 8-10FT
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 09:50
 Date Received: 07/28/21
 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/kg	140	10.	1
1,4-Dichlorobenzene	ND		ug/kg	140	12.	1
Methyl tert butyl ether	ND		ug/kg	140	14.	1
p/m-Xylene	ND		ug/kg	140	40.	1
o-Xylene	ND		ug/kg	71	21.	1
cis-1,2-Dichloroethene	ND		ug/kg	71	12.	1
Styrene	ND		ug/kg	71	14.	1
Dichlorodifluoromethane	ND		ug/kg	710	65.	1
Acetone	1200		ug/kg	710	340	1
Carbon disulfide	ND		ug/kg	710	320	1
2-Butanone	390	J	ug/kg	710	160	1
4-Methyl-2-pentanone	ND		ug/kg	710	91.	1
2-Hexanone	ND		ug/kg	710	84.	1
Bromochloromethane	ND		ug/kg	140	15.	1
1,2-Dibromoethane	ND		ug/kg	71	20.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	210	71.	1
Isopropylbenzene	ND		ug/kg	71	7.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	140	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	19.	1
Methyl Acetate	530		ug/kg	280	68.	1
Cyclohexane	ND		ug/kg	710	39.	1
1,4-Dioxane	ND		ug/kg	5700	2500	1
Freon-113	ND		ug/kg	280	50.	1
Methyl cyclohexane	ND		ug/kg	280	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: BARNET MILLS

Lab Number: L2140625

Project Number: 21-26694E

Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-03
 Client ID: TP-9 8-9FT
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:15
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/03/21 02:51
 Analyst: JC
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	0.21	J	ug/kg	1.9	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.29	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	ND		ug/kg	0.62	0.24	1
Chlorobenzene	ND		ug/kg	0.62	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.87	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	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.21	1
Benzene	ND		ug/kg	0.62	0.21	1
Toluene	1.4		ug/kg	1.2	0.68	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: BARNET MILLS

Lab Number: L2140625

Project Number: 21-26694E

Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-03
 Client ID: TP-9 8-9FT
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:15
 Date Received: 07/28/21
 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/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	5.7	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	0.26	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	100	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	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: BARNET MILLS**Lab Number:** L2140625**Project Number:** 21-26694E**Report Date:** 08/05/21**SAMPLE RESULTS**

Lab ID: L2140625-04
 Client ID: TP-11 10FT
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:10
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/03/21 03:18
 Analyst: JC
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	0.19	J	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	ND		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	0.22	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	0.28	J	ug/kg	0.68	0.22	1
Toluene	2.1		ug/kg	1.4	0.73	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.4	1.2	1
Bromomethane	ND		ug/kg	2.7	0.78	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	0.19	1

Project Name: BARNET MILLS

Lab Number: L2140625

Project Number: 21-26694E

Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-04
 Client ID: TP-11 10FT
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:10
 Date Received: 07/28/21
 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/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	6.1	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	4.0	1.3	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	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	0.73	1
1,4-Dioxane	ND		ug/kg	110	47.	1
Freon-113	ND		ug/kg	5.4	0.94	1
Methyl cyclohexane	ND		ug/kg	5.4	0.81	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/02/21 19:01
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1530890-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.14	J	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: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/02/21 19:01
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1530890-5					
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: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/02/21 19:01
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1530890-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/03/21 19:50
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1531346-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	14	J	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: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/03/21 19:50
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1531346-5					
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: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/03/21 19:50
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1531346-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2140625

Report Date: 08/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1530890-3 WG1530890-4								
Methylene chloride	103		103		70-130	0		30
1,1-Dichloroethane	110		109		70-130	1		30
Chloroform	99		97		70-130	2		30
Carbon tetrachloride	106		104		70-130	2		30
1,2-Dichloropropane	105		104		70-130	1		30
Dibromochloromethane	102		104		70-130	2		30
1,1,2-Trichloroethane	104		107		70-130	3		30
Tetrachloroethene	110		107		70-130	3		30
Chlorobenzene	105		103		70-130	2		30
Trichlorofluoromethane	135		132		70-139	2		30
1,2-Dichloroethane	100		102		70-130	2		30
1,1,1-Trichloroethane	108		106		70-130	2		30
Bromodichloromethane	100		102		70-130	2		30
trans-1,3-Dichloropropene	106		109		70-130	3		30
cis-1,3-Dichloropropene	103		104		70-130	1		30
Bromoform	90		94		70-130	4		30
1,1,2,2-Tetrachloroethane	104		108		70-130	4		30
Benzene	105		103		70-130	2		30
Toluene	106		103		70-130	3		30
Ethylbenzene	108		106		70-130	2		30
Chloromethane	150	Q	143	Q	52-130	5		30
Bromomethane	136		132		57-147	3		30
Vinyl chloride	150	Q	147	Q	67-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2140625

Report Date: 08/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1530890-3 WG1530890-4								
Chloroethane	128		126		50-151	2		30
1,1-Dichloroethene	115		112		65-135	3		30
trans-1,2-Dichloroethene	109		106		70-130	3		30
Trichloroethene	105		103		70-130	2		30
1,2-Dichlorobenzene	100		100		70-130	0		30
1,3-Dichlorobenzene	103		101		70-130	2		30
1,4-Dichlorobenzene	103		102		70-130	1		30
Methyl tert butyl ether	97		101		66-130	4		30
p/m-Xylene	107		106		70-130	1		30
o-Xylene	106		105		70-130	1		30
cis-1,2-Dichloroethene	107		106		70-130	1		30
Styrene	106		106		70-130	0		30
Dichlorodifluoromethane	257	Q	242	Q	30-146	6		30
Acetone	89		96		54-140	8		30
Carbon disulfide	114		112		59-130	2		30
2-Butanone	94		102		70-130	8		30
4-Methyl-2-pentanone	86		93		70-130	8		30
2-Hexanone	92		100		70-130	8		30
Bromochloromethane	100		101		70-130	1		30
1,2-Dibromoethane	103		106		70-130	3		30
1,2-Dibromo-3-chloropropane	83		93		68-130	11		30
Isopropylbenzene	113		109		70-130	4		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30

Lab Control Sample Analysis Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2140625

Report Date: 08/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1530890-3 WG1530890-4								
1,2,4-Trichlorobenzene	102		102		70-130	0		30
Methyl Acetate	95		103		51-146	8		30
Cyclohexane	118		114		59-142	3		30
1,4-Dioxane	88		97		65-136	10		30
Freon-113	120		116		50-139	3		30
Methyl cyclohexane	114		110		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		100		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2140625

Report Date: 08/05/21

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: WG1531346-3 WG1531346-4								
Methylene chloride	111		103		70-130	7		30
1,1-Dichloroethane	117		107		70-130	9		30
Chloroform	102		98		70-130	4		30
Carbon tetrachloride	112		101		70-130	10		30
1,2-Dichloropropane	109		102		70-130	7		30
Dibromochloromethane	105		103		70-130	2		30
1,1,2-Trichloroethane	107		105		70-130	2		30
Tetrachloroethene	116		103		70-130	12		30
Chlorobenzene	108		101		70-130	7		30
Trichlorofluoromethane	120		110		70-139	9		30
1,2-Dichloroethane	108		105		70-130	3		30
1,1,1-Trichloroethane	115		104		70-130	10		30
Bromodichloromethane	104		100		70-130	4		30
trans-1,3-Dichloropropene	116		113		70-130	3		30
cis-1,3-Dichloropropene	109		104		70-130	5		30
Bromoform	93		93		70-130	0		30
1,1,2,2-Tetrachloroethane	106		104		70-130	2		30
Benzene	107		98		70-130	9		30
Toluene	109		101		70-130	8		30
Ethylbenzene	112		103		70-130	8		30
Chloromethane	147	Q	128		52-130	14		30
Bromomethane	130		117		57-147	11		30
Vinyl chloride	144	Q	125		67-130	14		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2140625

Report Date: 08/05/21

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: WG1531346-3 WG1531346-4								
Chloroethane	113		102		50-151	10		30
1,1-Dichloroethene	124		110		65-135	12		30
trans-1,2-Dichloroethene	114		102		70-130	11		30
Trichloroethene	109		100		70-130	9		30
1,2-Dichlorobenzene	106		100		70-130	6		30
1,3-Dichlorobenzene	108		99		70-130	9		30
1,4-Dichlorobenzene	107		100		70-130	7		30
Methyl tert butyl ether	106		103		66-130	3		30
p/m-Xylene	111		103		70-130	7		30
o-Xylene	109		101		70-130	8		30
cis-1,2-Dichloroethene	109		101		70-130	8		30
Styrene	109		102		70-130	7		30
Dichlorodifluoromethane	243	Q	213	Q	30-146	13		30
Acetone	97		101		54-140	4		30
Carbon disulfide	124		109		59-130	13		30
2-Butanone	91		95		70-130	4		30
4-Methyl-2-pentanone	89		92		70-130	3		30
2-Hexanone	98		104		70-130	6		30
Bromochloromethane	103		97		70-130	6		30
1,2-Dibromoethane	108		106		70-130	2		30
1,2-Dibromo-3-chloropropane	85		90		68-130	6		30
Isopropylbenzene	117		106		70-130	10		30
1,2,3-Trichlorobenzene	106		102		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2140625

Report Date: 08/05/21

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: WG1531346-3 WG1531346-4								
1,2,4-Trichlorobenzene	110		102		70-130	8		30
Methyl Acetate	95		99		51-146	4		30
Cyclohexane	125		111		59-142	12		30
1,4-Dioxane	90		93		65-136	3		30
Freon-113	131		116		50-139	12		30
Methyl cyclohexane	116		103		70-130	12		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		101		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	105		103		70-130
Dibromofluoromethane	98		96		70-130

SEMIVOLATILES

Project Name: BARNET MILLS**Lab Number:** L2140625**Project Number:** 21-26694E**Report Date:** 08/05/21**SAMPLE RESULTS**

Lab ID: L2140625-01
 Client ID: TP-1 6-8FT
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 09:40
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/02/21 15:00
 Analyst: SLR
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 07/31/21 18:04

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	19	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	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	32		23-120
2-Fluorobiphenyl	28	Q	30-120
4-Terphenyl-d14	25		18-120

Project Name: BARNET MILLS**Lab Number:** L2140625**Project Number:** 21-26694E**Report Date:** 08/05/21**SAMPLE RESULTS**

Lab ID: L2140625-02
 Client ID: TP-1 8-10FT
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 09:50
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/02/21 15:24
 Analyst: SLR
 Percent Solids: 75%

Extraction Method: EPA 3546
 Extraction Date: 07/31/21 18:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	23.	1
Fluoranthene	44	J	ug/kg	130	25.	1
Benzo(a)anthracene	31	J	ug/kg	130	25.	1
Benzo(a)pyrene	ND		ug/kg	180	54.	1
Benzo(b)fluoranthene	62	J	ug/kg	130	37.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	110	J	ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	ND		ug/kg	130	43.	1
Benzo(ghi)perylene	26	J	ug/kg	180	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	43	J	ug/kg	130	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	26.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	31.	1
Pyrene	45	J	ug/kg	130	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	61		30-120
4-Terphenyl-d14	55		18-120

Project Name: BARNET MILLS**Lab Number:** L2140625**Project Number:** 21-26694E**Report Date:** 08/05/21**SAMPLE RESULTS**

Lab ID: L2140625-03
 Client ID: TP-9 8-9FT
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:15
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/02/21 15:48
 Analyst: SLR
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 07/31/21 18:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Fluoranthene	240		ug/kg	110	22.	1
Benzo(a)anthracene	120		ug/kg	110	21.	1
Benzo(a)pyrene	89	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	120		ug/kg	110	32.	1
Benzo(k)fluoranthene	49	J	ug/kg	110	30.	1
Chrysene	120		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	48	J	ug/kg	110	37.	1
Benzo(ghi)perylene	52	J	ug/kg	150	22.	1
Fluorene	19	J	ug/kg	190	18.	1
Phenanthrene	180		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	56	J	ug/kg	150	26.	1
Pyrene	190		ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	82		30-120
4-Terphenyl-d14	80		18-120

Project Name: BARNET MILLS**Lab Number:** L2140625**Project Number:** 21-26694E**Report Date:** 08/05/21**SAMPLE RESULTS**

Lab ID: L2140625-04
 Client ID: TP-11 10FT
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:10
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/02/21 16:12
 Analyst: SLR
 Percent Solids: 83%

Extraction Method: EPA 3546
 Extraction Date: 07/31/21 18:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Fluoranthene	64	J	ug/kg	120	23.	1
Benzo(a)anthracene	44	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	61	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	40	J	ug/kg	120	32.	1
Chrysene	65	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	40	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	78	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	36	J	ug/kg	160	28.	1
Pyrene	57	J	ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	69		30-120
4-Terphenyl-d14	61		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/02/21 23:38
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 07/30/21 23:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1530063-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	99	19.
Benzo(a)anthracene	ND		ug/kg	99	18.
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	25.
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	91		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	101		30-120
2,4,6-Tribromophenol	114		10-136
4-Terphenyl-d14	119		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2140625

Report Date: 08/05/21

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 Batch: WG1530063-2 WG1530063-3								
Acenaphthene	94		92		31-137	2		50
Fluoranthene	99		95		40-140	4		50
Benzo(a)anthracene	99		97		40-140	2		50
Benzo(a)pyrene	102		98		40-140	4		50
Benzo(b)fluoranthene	95		92		40-140	3		50
Benzo(k)fluoranthene	107		104		40-140	3		50
Chrysene	89		87		40-140	2		50
Acenaphthylene	98		96		40-140	2		50
Anthracene	95		91		40-140	4		50
Benzo(ghi)perylene	97		94		40-140	3		50
Fluorene	96		95		40-140	1		50
Phenanthrene	94		90		40-140	4		50
Dibenzo(a,h)anthracene	103		101		40-140	2		50
Indeno(1,2,3-cd)pyrene	93		91		40-140	2		50
Pyrene	98		93		35-142	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	90		89		25-120
Phenol-d6	91		92		10-120
Nitrobenzene-d5	87		90		23-120
2-Fluorobiphenyl	93		92		30-120
2,4,6-Tribromophenol	106		105		10-136
4-Terphenyl-d14	106		103		18-120

PCBS

Project Name: BARNET MILLS**Lab Number:** L2140625**Project Number:** 21-26694E**Report Date:** 08/05/21**SAMPLE RESULTS**

Lab ID: L2140625-01 D

Date Collected: 07/27/21 09:40

Client ID: TP-1 6-8FT

Date Received: 07/28/21

Sample Location: RENSSELAER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8082A

Extraction Date: 07/31/21 16:56

Analytical Date: 08/02/21 11:28

Cleanup Method: EPA 3665A

Analyst: JM

Cleanup Date: 08/01/21

Percent Solids: 88%

Cleanup Method: EPA 3660B

Cleanup Date: 08/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	183	16.3	5	A
Aroclor 1221	ND		ug/kg	183	18.4	5	A
Aroclor 1232	ND		ug/kg	183	38.9	5	A
Aroclor 1242	ND		ug/kg	183	24.7	5	A
Aroclor 1248	ND		ug/kg	183	27.5	5	A
Aroclor 1254	ND		ug/kg	183	20.0	5	A
Aroclor 1260	ND		ug/kg	183	33.9	5	A
Aroclor 1262	ND		ug/kg	183	23.3	5	A
Aroclor 1268	748		ug/kg	183	19.0	5	B
PCBs, Total	748		ug/kg	183	16.3	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	1230	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	1320	Q	30-150	B

Project Name: BARNET MILLS**Lab Number:** L2140625**Project Number:** 21-26694E**Report Date:** 08/05/21**SAMPLE RESULTS**

Lab ID: L2140625-02 D

Date Collected: 07/27/21 09:50

Client ID: TP-1 8-10FT

Date Received: 07/28/21

Sample Location: RENSSELAER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8082A

Extraction Date: 07/31/21 16:56

Analytical Date: 08/02/21 11:35

Cleanup Method: EPA 3665A

Analyst: JM

Cleanup Date: 08/01/21

Percent Solids: 75%

Cleanup Method: EPA 3660B

Cleanup Date: 08/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	222	19.7	5	A
Aroclor 1221	ND		ug/kg	222	22.2	5	A
Aroclor 1232	ND		ug/kg	222	47.0	5	A
Aroclor 1242	ND		ug/kg	222	29.9	5	A
Aroclor 1248	ND		ug/kg	222	33.3	5	A
Aroclor 1254	ND		ug/kg	222	24.3	5	A
Aroclor 1260	ND		ug/kg	222	41.0	5	A
Aroclor 1262	ND		ug/kg	222	28.2	5	A
Aroclor 1268	1300		ug/kg	222	23.0	5	B
PCBs, Total	1300		ug/kg	222	19.7	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	1880	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	2050	Q	30-150	B

Project Name: BARNET MILLS**Lab Number:** L2140625**Project Number:** 21-26694E**Report Date:** 08/05/21**SAMPLE RESULTS**

Lab ID: L2140625-03
 Client ID: TP-9 8-9FT
 Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:15
 Date Received: 07/28/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/03/21 10:05
 Analyst: JM
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 07/31/21 16:56
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/01/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.1	3.30	1	A
Aroclor 1221	ND		ug/kg	37.1	3.72	1	A
Aroclor 1232	ND		ug/kg	37.1	7.88	1	A
Aroclor 1242	ND		ug/kg	37.1	5.01	1	A
Aroclor 1248	ND		ug/kg	37.1	5.57	1	A
Aroclor 1254	ND		ug/kg	37.1	4.06	1	A
Aroclor 1260	ND		ug/kg	37.1	6.86	1	A
Aroclor 1262	ND		ug/kg	37.1	4.72	1	A
Aroclor 1268	78.3		ug/kg	37.1	3.85	1	A
PCBs, Total	78.3		ug/kg	37.1	3.30	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	201	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	217	Q	30-150	B

Project Name: BARNET MILLS**Lab Number:** L2140625**Project Number:** 21-26694E**Report Date:** 08/05/21**SAMPLE RESULTS**

Lab ID: L2140625-04 D

Date Collected: 07/27/21 15:10

Client ID: TP-11 10FT

Date Received: 07/28/21

Sample Location: RENSSELAER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8082A

Extraction Date: 07/31/21 16:56

Analytical Date: 08/03/21 02:07

Cleanup Method: EPA 3665A

Analyst: JM

Cleanup Date: 08/01/21

Percent Solids: 83%

Cleanup Method: EPA 3660B

Cleanup Date: 08/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	766	68.0	20	A
Aroclor 1221	ND		ug/kg	766	76.7	20	A
Aroclor 1232	ND		ug/kg	766	162.	20	A
Aroclor 1242	ND		ug/kg	766	103.	20	A
Aroclor 1248	ND		ug/kg	766	115.	20	A
Aroclor 1254	ND		ug/kg	766	83.8	20	A
Aroclor 1260	ND		ug/kg	766	142.	20	A
Aroclor 1262	ND		ug/kg	766	97.3	20	A
Aroclor 1268	1830		ug/kg	766	79.4	20	B
PCBs, Total	1830		ug/kg	766	68.0	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	A
Decachlorobiphenyl	0	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	B
Decachlorobiphenyl	0	Q	30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/01/21 23:05
 Analyst: JAW

Extraction Method: EPA 3546
 Extraction Date: 07/31/21 08:26
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/31/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/31/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG1530122-1						
Aroclor 1016	ND		ug/kg	32.4	2.88	A
Aroclor 1221	ND		ug/kg	32.4	3.24	A
Aroclor 1232	ND		ug/kg	32.4	6.86	A
Aroclor 1242	ND		ug/kg	32.4	4.36	A
Aroclor 1248	ND		ug/kg	32.4	4.86	A
Aroclor 1254	ND		ug/kg	32.4	3.54	A
Aroclor 1260	ND		ug/kg	32.4	5.98	A
Aroclor 1262	ND		ug/kg	32.4	4.11	A
Aroclor 1268	ND		ug/kg	32.4	3.35	A
PCBs, Total	ND		ug/kg	32.4	2.88	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2140625

Report Date: 08/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1530122-2 WG1530122-3									
Aroclor 1016	72		71		40-140	1		50	A
Aroclor 1260	68		67		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		68		30-150	A
Decachlorobiphenyl	67		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		66		30-150	B
Decachlorobiphenyl	68		72		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: BARNET MILLS**Project Number:** 21-26694E**Lab Number:** L2140625**Report Date:** 08/05/21**SAMPLE RESULTS****Lab ID:** L2140625-01**Client ID:** TP-1 6-8FT**Sample Location:** RENSSELAER, NY**Date Collected:** 07/27/21 09:40**Date Received:** 07/28/21**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	-	07/29/21 11:54	121,2540G	RI



Project Name: BARNET MILLS**Project Number:** 21-26694E**Lab Number:** L2140625**Report Date:** 08/05/21**SAMPLE RESULTS****Lab ID:** L2140625-02**Client ID:** TP-1 8-10FT**Sample Location:** RENSSELAER, NY**Date Collected:** 07/27/21 09:50**Date Received:** 07/28/21**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	74.8		%	0.100	NA	1	-	07/29/21 11:54	121,2540G	RI



Project Name: BARNET MILLS**Project Number:** 21-26694E**Lab Number:** L2140625**Report Date:** 08/05/21**SAMPLE RESULTS****Lab ID:** L2140625-03**Client ID:** TP-9 8-9FT**Sample Location:** RENSSELAER, NY**Date Collected:** 07/27/21 14:15**Date Received:** 07/28/21**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	87.4		%	0.100	NA	1	-	07/29/21 11:54	121,2540G	RI



Project Name: BARNET MILLS**Project Number:** 21-26694E**Lab Number:** L2140625**Report Date:** 08/05/21**SAMPLE RESULTS****Lab ID:** L2140625-04**Client ID:** TP-11 10FT**Sample Location:** RENSSELAER, NY**Date Collected:** 07/27/21 15:10**Date Received:** 07/28/21**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	-	07/29/21 11:54	121,2540G	RI



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** BARNET MILLS**Project Number:** 21-26694E**Lab Number:** L2140625**Report Date:** 08/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1529388-1 QC Sample: L2140479-01 Client ID: DUP Sample						
Solids, Total	81.8	82.3	%	1		20

Project Name: BARNET MILLS
Project Number: 21-26694E

Serial_No:08052119:53
Lab Number: L2140625
Report Date: 08/05/21

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(*)
L2140625-01A	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		SUB-RCRA8(28)
L2140625-01B	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2140625-01C	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2140625-01X	Vial MeOH preserved split	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2140625-01Y	Vial Water preserved split	A	NA		2.6	Y	Absent	29-JUL-21 12:01	NYTCL-8260-R2(14)
L2140625-01Z	Vial Water preserved split	A	NA		2.6	Y	Absent	29-JUL-21 12:01	NYTCL-8260-R2(14)
L2140625-02A	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		SUB-RCRA8(28)
L2140625-02B	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2140625-02C	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2140625-02X	Vial MeOH preserved split	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2140625-02Y	Vial Water preserved split	A	NA		2.6	Y	Absent	29-JUL-21 12:01	NYTCL-8260-R2(14)
L2140625-02Z	Vial Water preserved split	A	NA		2.6	Y	Absent	29-JUL-21 12:01	NYTCL-8260-R2(14)
L2140625-03A	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		SUB-RCRA8(28)
L2140625-03B	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2140625-03C	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2140625-03X	Vial MeOH preserved split	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2140625-03Y	Vial Water preserved split	A	NA		2.6	Y	Absent	29-JUL-21 12:01	NYTCL-8260-R2(14)
L2140625-03Z	Vial Water preserved split	A	NA		2.6	Y	Absent	29-JUL-21 12:01	NYTCL-8260-R2(14)
L2140625-04A	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		SUB-RCRA8(28)
L2140625-04B	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2140625-04C	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2140625-04X	Vial MeOH preserved split	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2140625-04Y	Vial Water preserved split	A	NA		2.6	Y	Absent	29-JUL-21 12:01	NYTCL-8260-R2(14)

Project Name: BARNET MILLS
Project Number: 21-26694E

Serial_No:08052119:53
Lab Number: L2140625
Report Date: 08/05/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2140625-04Z	Vial Water preserved split	A	NA		2.6	Y	Absent	29-JUL-21 12:01	NYTCL-8260-R2(14)

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

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: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

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.

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'.

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.

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.)

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 Identified Compounds (TICs).
- 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.

Report Format: DU Report with 'J' Qualifiers



Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Data Qualifiers

- 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.

Report Format: DU Report with 'J' Qualifiers



Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,


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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

 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		Date Rec'd in Lab 7/29/21		ALPHA Job # 121410625																																																																																																																																																																																																																																									
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Client Information Client: Alpine Environmental Services Inc Address: 438 New Karner Road Albany NY 12205 Phone: 518-588-2104 Fax: Email: KimB@AlpineEnv.com		Project Information Project Name: Barnet Mills Project Location: Rensselaer NY Project # 21-26694E (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input type="checkbox"/> EQulS (1 File) <input type="checkbox"/> Other		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO # Attn. Mark Schnitzer																																																																																																																																																																																																																																											
		Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY Restricted Use <input checked="" type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other: NA																																																																																																																																																																																																																																											
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments:		ANALYSIS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>8260</th> <th>8270 CP-51</th> <th>8062 PCBs Total</th> <th>RCRA Metals</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		8260	8270 CP-51	8062 PCBs Total	RCRA Metals							X	X	X	X							Sample Filtration <input type="checkbox"/> one <input type="checkbox"/> ab to do Preservation <input type="checkbox"/> ab to do (Please Specify below)																																																																																																																																																																																																																									
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Please specify Metals or TAL.		<table border="1" style="width:100%; border-collapse: collapse;"> <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">8260</th> <th rowspan="2">8270 CP-51</th> <th rowspan="2">8062 PCBs Total</th> <th rowspan="2">RCRA 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> </tr> <tr> <th>Date</th> <th>Time</th> </tr> <tr> <td>40625-01</td> <td>TP-1 6-8 Ft</td> <td>7/27/21</td> <td>9:40</td> <td>Soil</td> <td>KB</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-02</td> <td>TP-1 8-10 Ft</td> <td>7/27/21</td> <td>9:50</td> <td>Soil</td> <td>KB</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-03</td> <td>TP-9 8-9 Ft</td> <td>7/27/21</td> <td>14:15</td> <td>Soil</td> <td>KB</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-04</td> <td>TP-11 10 Ft</td> <td>7/27/21</td> <td>15:10</td> <td>Soil</td> <td>KB</td> <td>X</td> <td>X</td> <td>X</td> <td>X</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></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> <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> <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> <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> <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> <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> <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>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	8260	8270 CP-51	8062 PCBs Total	RCRA Metals									Date	Time	40625-01	TP-1 6-8 Ft	7/27/21	9:40	Soil	KB	X	X	X	X									-02	TP-1 8-10 Ft	7/27/21	9:50	Soil	KB	X	X	X	X									-03	TP-9 8-9 Ft	7/27/21	14:15	Soil	KB	X	X	X	X									-04	TP-11 10 Ft	7/27/21	15:10	Soil	KB	X	X	X	X																																																																																																																																																									Sample Specific Comments	
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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		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		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 .																																																																																																																																																																																																																																									
Relinquished By: Kim L. Baines		Date/Time 7/28/21 12:42 7/29/21 12:55		Received By: [Signature]		Date/Time 7/28/21 12:42 7/29/21 00:10																																																																																																																																																																																																																																											



Thursday, August 05, 2021

Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Project ID: L2140625
SDG ID: GCI85109
Sample ID#s: CI85109 - CI85112

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

August 05, 2021

SDG I.D.: GCI85109

Project ID: L2140625

Client Id	Lab Id	Matrix
TP-1 6-8FT	CI85109	SOIL
TP-1 8-10FT	CI85110	SOIL
TP-9 8-9FT	CI85111	SOIL
TP-11 10FT	CI85112	SOIL



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 05, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information

Matrix: SOIL
Location Code: ALPHA
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

Time

07/27/21 9:40
07/30/21 11:15

Laboratory Data

SDG ID: GCI85109
Phoenix ID: CI85109

Project ID: L2140625
Client ID: TP-1 6-8FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	0.53	0.40	mg/Kg	1	08/03/21	EK	SW6010D
Arsenic	6.52	0.80	mg/Kg	1	08/03/21	CPP	SW6010D
Barium	82.9	0.40	mg/Kg	1	08/03/21	CPP	SW6010D
Cadmium	1.49	0.40	mg/Kg	1	08/03/21	CPP	SW6010D
Chromium	86.3	0.40	mg/Kg	1	08/03/21	CPP	SW6010D
Mercury	0.22	0.03	mg/Kg	2	08/02/21	AT	SW7471B
Lead	75.3	0.40	mg/Kg	1	08/03/21	CPP	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	08/03/21	CPP	SW6010D
Percent Solid	80		%		07/30/21	AR	SW846-%Solid
Sample Disposal	Completed				07/30/21		
Mercury Digestion	Completed				08/02/21	KL/AB/AB	SW7471B
Total Metals Digest	Completed				07/30/21	MAG/E	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

August 05, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 05, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information

Matrix: SOIL
Location Code: ALPHA
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

Time

07/27/21 9:50
07/30/21 11:15

Laboratory Data

SDG ID: GCI85109
Phoenix ID: CI85110

Project ID: L2140625
Client ID: TP-1 8-10FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	0.81	0.43	mg/Kg	1	08/03/21	EK	SW6010D
Arsenic	7.36	0.85	mg/Kg	1	08/03/21	CPP	SW6010D
Barium	123	0.43	mg/Kg	1	08/03/21	CPP	SW6010D
Cadmium	1.56	0.43	mg/Kg	1	08/03/21	CPP	SW6010D
Chromium	105	0.43	mg/Kg	1	08/03/21	CPP	SW6010D
Mercury	0.45	0.03	mg/Kg	2	08/03/21	AT	SW7471B
Lead	158	0.43	mg/Kg	1	08/03/21	CPP	SW6010D
Selenium	< 1.7	1.7	mg/Kg	1	08/03/21	CPP	SW6010D
Percent Solid	78		%		07/30/21	AR	SW846-%Solid
Sample Disposal	Completed				07/30/21		
Mercury Digestion	Completed				08/02/21	KL/AB/AB	SW7471B
Total Metals Digest	Completed				07/30/21	MAG/E	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
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Phyllis Shiller, Laboratory Director

August 05, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 05, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information

Matrix: SOIL
Location Code: ALPHA
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

Time

07/27/21 14:15
07/30/21 11:15

Laboratory Data

SDG ID: GCI85109
Phoenix ID: CI85111

Project ID: L2140625
Client ID: TP-9 8-9FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	08/03/21	CPP	SW6010D
Arsenic	7.80	0.74	mg/Kg	1	08/03/21	CPP	SW6010D
Barium	99.0	0.37	mg/Kg	1	08/03/21	CPP	SW6010D
Cadmium	1.48	0.37	mg/Kg	1	08/03/21	CPP	SW6010D
Chromium	31.8	0.37	mg/Kg	1	08/03/21	CPP	SW6010D
Mercury	0.18	0.03	mg/Kg	2	08/03/21	AT	SW7471B
Lead	81.6	0.37	mg/Kg	1	08/03/21	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	08/03/21	CPP	SW6010D
Percent Solid	85		%		07/30/21	AR	SW846-%Solid
Sample Disposal	Completed				07/30/21		
Mercury Digestion	Completed				08/02/21	KL/AB/AB	SW7471B
Total Metals Digest	Completed				07/30/21	MAG/E	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
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Comments:

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Phyllis Shiller, Laboratory Director

August 05, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 05, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information

Matrix: SOIL
Location Code: ALPHA
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time

07/27/21 15:10
07/30/21 11:15

Laboratory Data

SDG ID: GCI85109
Phoenix ID: CI85112

Project ID: L2140625
Client ID: TP-11 10FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	2.76	0.44	mg/Kg	1	08/03/21	EK	SW6010D
Arsenic	14.5	0.87	mg/Kg	1	08/03/21	CPP	SW6010D
Barium	476	0.44	mg/Kg	1	08/03/21	CPP	SW6010D
Cadmium	3.83	0.44	mg/Kg	1	08/03/21	CPP	SW6010D
Chromium	277	4.4	mg/Kg	10	08/04/21	EK	SW6010D
Mercury	0.26	0.03	mg/Kg	2	08/03/21	AT	SW7471B
Lead	552	0.44	mg/Kg	1	08/03/21	CPP	SW6010D
Selenium	< 1.7	1.7	mg/Kg	1	08/03/21	CPP	SW6010D
Percent Solid	82		%		07/30/21	AR	SW846-%Solid
Sample Disposal	Completed				07/30/21		
Mercury Digestion	Completed				08/02/21	KL/AB/AB	SW7471B
Total Metals Digest	Completed				07/30/21	MAG/E	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

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Phyllis Shiller, Laboratory Director

August 05, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



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Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

August 05, 2021

QA/QC Data

SDG I.D.: GCI85109

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 585923 (mg/kg), QC Sample No: CI84784 (CI85109)

Mercury - Soil	BRL	0.03	0.14	0.33	NC	129	122	5.6				70 - 130	30
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Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

QA/QC Batch 585924 (mg/kg), QC Sample No: CI85283 2X (CI85110, CI85111, CI85112)

Mercury - Soil	BRL	0.03	<0.03	<0.03	NC	103	97.3	5.7	104	93.7	10.4	70 - 130	30
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Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

QA/QC Batch 585775 (mg/kg), QC Sample No: CI85073 (CI85109, CI85110, CI85111, CI85112)

ICP Metals - Soil

Arsenic	BRL	0.67	7.27	8.73	18.3	111	105	5.6	94.6			75 - 125	35
Barium	BRL	0.33	37.9	43.9	14.7	112	103	8.4	99.8			75 - 125	35
Cadmium	BRL	0.33	0.81	0.81	NC	107	104	2.8	98.5			75 - 125	35
Chromium	BRL	0.33	19.5	15.5	22.9	108	101	6.7	94.0			75 - 125	35
Lead	BRL	0.33	44.2	35.9	20.7	114	106	7.3	97.0			75 - 125	35
Selenium	BRL	1.3	<1.5	<1.3	NC	103	100	3.0	94.2			75 - 125	35
Silver	BRL	0.33	<0.38	<0.33	NC	103	97.9	5.1	93.7			75 - 125	35

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

August 05, 2021

Thursday, August 05, 2021

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCI85109 - ALPHA

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Comments

August 05, 2021

SDG I.D.: GCI85109

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823




NY Temperature Narration

August 05, 2021

SDG I.D.: GCI85109

The samples in this delivery group were received at 1.0°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

W.C. 1.0

		Subcontract Chain of Custody Phoenix Environmental Laboratories 587 East Middle Turnpike Manchester, CT 06040		Alpha Job Number L2140625	
Client Information Client: Alpha Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Phone: 716.427.5229 Email: mdeyo@alphalab.com		Project Information Project Location: NY Project Manager: Melissa Deyo Turnaround & Deliverables Information Due Date: 08/05/21 Deliverables:		Regulatory Requirements/Report Limits State/Federal Program: NYDOH Regulatory Criteria:	
Project Specific Requirements and/or Report Requirements					
Reference following Alpha Job Number on final report/deliverables: L2140625				Report to include Method Blank, LCS/LCSD:	
Additional Comments: Send all results/reports to subreports@alphalab.com					
Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
85107 85110 85111 85112	TP-1 6-8FT TP-1 8-10FT TP-9 8-9FT TP-11 10FT	07-27-21 09:40 07-27-21 09:50 07-27-21 14:15 07-27-21 15:10	SOIL SOIL SOIL SOIL	Total RCRA8 Metals - EPA 6010D/7471 Total RCRA8 Metals - EPA 6010D/7471 Total RCRA8 Metals - EPA 6010D/7471 Total RCRA8 Metals - EPA 6010D/7471	
Relinquished By: <i>[Signature]</i>		Date/Time: 7/30/21		Received By: <i>[Signature]</i>	Date/Time: 7/30/21
Form No: AL_subcoc					

**SOIL AND GROUNDWATER SAMPLES FROM
DRILLED BORINGS AND WELLS**



ANALYTICAL REPORT

Lab Number:	L2144034
Client:	Alpine Environmental 438 New Karner Road Albany, NY 12205
ATTN:	Kim Baines
Phone:	(518) 250-4047
Project Name:	BARNET MILLS
Project Number:	21-26694E
Report Date:	08/24/21

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2144034-01	B-1 10-15'	SOIL	RENSSELAER, NY	08/09/21 09:30	08/17/21
L2144034-02	B-2 10-15'	SOIL	RENSSELAER, NY	08/09/21 11:00	08/17/21
L2144034-03	B-7 4-5'	SOIL	RENSSELAER, NY	08/10/21 11:05	08/17/21
L2144034-04	B-8 4-5'	SOIL	RENSSELAER, NY	08/10/21 11:30	08/17/21
L2144034-05	B-13 10-15'	SOIL	RENSSELAER, NY	08/11/21 10:40	08/17/21
L2144034-06	B-19 15-20'	SOIL	RENSSELAER, NY	08/12/21 11:15	08/17/21
L2144034-07	B-20 16-18'	SOIL	RENSSELAER, NY	08/12/21 14:00	08/17/21

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Case Narrative

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

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

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

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

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

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

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

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.

Volatile Organics

L2144034-01 through -07: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L2144034-01: The surrogate recovery is outside the acceptance criteria for toluene-d8 (141%); 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.

L2144034-05: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (133%); 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.

Semivolatile Organics

L2144034-04: The sample has elevated detection limits due to limited sample volume available for analysis.

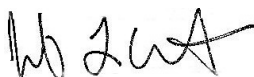
L2144034-05, -06, and -07: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

PCBs

L2144034-01 through -07: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as 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:



Jennifer L Clements

Title: Technical Director/Representative

Date: 08/24/21

ORGANICS

VOLATILES

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-01
 Client ID: B-1 10-15'
 Sample Location: RENSSELAER, NY

Date Collected: 08/09/21 09:30
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/21/21 00:38
 Analyst: AJK
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	0.73		ug/kg	0.53	0.18	1
Toluene	1.3		ug/kg	1.1	0.58	1
Ethylbenzene	3.5		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.53	0.15	1

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-01

Date Collected: 08/09/21 09:30

Client ID: B-1 10-15'

Date Received: 08/17/21

Sample Location: RENSSELAER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	1.3	J	ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	5.4		ug/kg	2.1	0.60	1
o-Xylene	1.4		ug/kg	1.1	0.31	1
Xylenes, Total	6.8		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	20		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	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	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
n-Butylbenzene	37		ug/kg	1.1	0.18	1
sec-Butylbenzene	56		ug/kg	1.1	0.16	1
tert-Butylbenzene	8.8		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	29		ug/kg	1.1	0.12	1
p-Isopropyltoluene	13		ug/kg	1.1	0.12	1
Naphthalene	70		ug/kg	4.3	0.69	1
n-Propylbenzene	18		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	33		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	160		ug/kg	2.1	0.36	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Cyclohexane	7.7	J	ug/kg	11	0.58	1
1,4-Dioxane	ND		ug/kg	85	37.	1
Freon-113	ND		ug/kg	4.3	0.74	1
Methyl cyclohexane	35		ug/kg	4.3	0.64	1

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-01

Date Collected: 08/09/21 09:30

Client ID: B-1 10-15'

Date Received: 08/17/21

Sample Location: RENSSELAER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	141	Q	70-130
4-Bromofluorobenzene	78		70-130
Dibromofluoromethane	90		70-130

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-02
 Client ID: B-2 10-15'
 Sample Location: RENSSELAER, NY

Date Collected: 08/09/21 11:00
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/20/21 23:22
 Analyst: AJK
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1
Trichloroethene	ND		ug/kg	0.57	0.16	1

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-02
 Client ID: B-2 10-15'
 Sample Location: RENSSELAER, NY

Date Collected: 08/09/21 11:00
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	0.16	J	ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	20		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	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	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
n-Butylbenzene	3.1		ug/kg	1.1	0.19	1
sec-Butylbenzene	5.0		ug/kg	1.1	0.17	1
tert-Butylbenzene	0.73	J	ug/kg	2.3	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Isopropylbenzene	0.80	J	ug/kg	1.1	0.12	1
p-Isopropyltoluene	0.25	J	ug/kg	1.1	0.12	1
Naphthalene	1.9	J	ug/kg	4.6	0.74	1
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	0.40	J	ug/kg	2.3	0.38	1
Methyl Acetate	ND		ug/kg	4.6	1.1	1
Cyclohexane	3.1	J	ug/kg	11	0.62	1
1,4-Dioxane	ND		ug/kg	91	40.	1
Freon-113	ND		ug/kg	4.6	0.79	1
Methyl cyclohexane	12		ug/kg	4.6	0.69	1

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-02

Date Collected: 08/09/21 11:00

Client ID: B-2 10-15'

Date Received: 08/17/21

Sample Location: RENSSELAER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-03
 Client ID: B-7 4-5'
 Sample Location: RENSSELAER, NY

Date Collected: 08/10/21 11:05
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/21/21 01:04
 Analyst: AJK
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - 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	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		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	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	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	0.87	J	ug/kg	1.1	0.58	1
Ethylbenzene	0.31	J	ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.62	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

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-03
 Client ID: B-7 4-5'
 Sample Location: RENSSELAER, NY

Date Collected: 08/10/21 11:05
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	1.0	J	ug/kg	2.2	0.15	1
1,3-Dichlorobenzene	0.22	J	ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	0.35	J	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	0.54	J	ug/kg	1.1	0.31	1
Xylenes, Total	0.54	J	ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	34		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
n-Butylbenzene	6.1		ug/kg	1.1	0.18	1
sec-Butylbenzene	16		ug/kg	1.1	0.16	1
tert-Butylbenzene	2.2		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	2.0		ug/kg	1.1	0.12	1
p-Isopropyltoluene	0.28	J	ug/kg	1.1	0.12	1
Naphthalene	6.4		ug/kg	4.3	0.70	1
n-Propylbenzene	ND		ug/kg	1.1	0.18	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
1,3,5-Trimethylbenzene	0.57	J	ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	3.0		ug/kg	2.2	0.36	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Cyclohexane	0.60	J	ug/kg	11	0.58	1
1,4-Dioxane	ND		ug/kg	86	38.	1
Freon-113	ND		ug/kg	4.3	0.74	1
Methyl cyclohexane	8.5		ug/kg	4.3	0.65	1

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-03

Date Collected: 08/10/21 11:05

Client ID: B-7 4-5'

Date Received: 08/17/21

Sample Location: RENSSELAER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	118		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	97		70-130

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-04
 Client ID: B-8 4-5'
 Sample Location: RENSSELAER, NY

Date Collected: 08/10/21 11:30
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/21/21 01:29
 Analyst: AJK
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	2.9	1
1,1-Dichloroethane	0.40	J	ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	1.9	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	0.34	1
Tetrachloroethene	ND		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.89	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
1,3-Dichloropropene, Total	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.32	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	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.6	0.75	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1
Trichloroethene	ND		ug/kg	0.64	0.18	1

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-04
 Client ID: B-8 4-5'
 Sample Location: RENSSELAER, NY

Date Collected: 08/10/21 11:30
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1
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	0.72	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	77		ug/kg	13	6.2	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	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	2.0		ug/kg	1.3	0.19	1
tert-Butylbenzene	0.79	J	ug/kg	2.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Isopropylbenzene	0.27	J	ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	14		ug/kg	5.1	0.84	1
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	0.52	J	ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	0.76	J	ug/kg	2.6	0.43	1
Methyl Acetate	ND		ug/kg	5.1	1.2	1
Cyclohexane	0.72	J	ug/kg	13	0.70	1
1,4-Dioxane	ND		ug/kg	100	45.	1
Freon-113	ND		ug/kg	5.1	0.89	1
Methyl cyclohexane	2.4	J	ug/kg	5.1	0.78	1

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-04

Date Collected: 08/10/21 11:30

Client ID: B-8 4-5'

Date Received: 08/17/21

Sample Location: RENSSELAER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	128		70-130
Dibromofluoromethane	104		70-130

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-05
 Client ID: B-13 10-15'
 Sample Location: RENSSELAER, NY

Date Collected: 08/11/21 10:40
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/23/21 08:05
 Analyst: MV
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.2	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	ND		ug/kg	0.53	0.14	1

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-05
 Client ID: B-13 10-15'
 Sample Location: RENSSELAER, NY

Date Collected: 08/11/21 10:40
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.14	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.97	1
Acetone	ND		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	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	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
n-Butylbenzene	0.28	J	ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	85	37.	1

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-05

Date Collected: 08/11/21 10:40

Client ID: B-13 10-15'

Date Received: 08/17/21

Sample Location: RENSSELAER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	133	Q	70-130
Dibromofluoromethane	112		70-130

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-06
 Client ID: B-19 15-20'
 Sample Location: RENSSELAER, NY

Date Collected: 08/12/21 11:15
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/20/21 23:47
 Analyst: AJK
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	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	0.23	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	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	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	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	0.55	1
Ethylbenzene	0.37	J	ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	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	0.50	0.14	1

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-06
 Client ID: B-19 15-20'
 Sample Location: RENSSELAER, NY

Date Collected: 08/12/21 11:15
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
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
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	13		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	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	0.40	J	ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	0.14	J	ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.66	1
n-Propylbenzene	0.22	J	ug/kg	1.0	0.17	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
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	0.34	J	ug/kg	2.0	0.34	1
Methyl Acetate	ND		ug/kg	4.0	0.96	1
Cyclohexane	ND		ug/kg	10	0.55	1
1,4-Dioxane	ND		ug/kg	81	35.	1
Freon-113	ND		ug/kg	4.0	0.70	1
Methyl cyclohexane	0.93	J	ug/kg	4.0	0.61	1

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-06

Date Collected: 08/12/21 11:15

Client ID: B-19 15-20'

Date Received: 08/17/21

Sample Location: RENSSELAER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	101		70-130

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-07
 Client ID: B-20 16-18'
 Sample Location: RENSSELAER, NY

Date Collected: 08/12/21 14:00
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/21/21 00:13
 Analyst: AJK
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	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	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	0.34	J	ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	ND		ug/kg	0.52	0.14	1

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-07
 Client ID: B-20 16-18'
 Sample Location: RENSSELAER, NY

Date Collected: 08/12/21 14:00
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	9.7	J	ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	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	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	0.33	J	ug/kg	1.0	0.15	1
tert-Butylbenzene	0.58	J	ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	1.8	J	ug/kg	4.2	0.68	1
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	0.44	J	ug/kg	2.1	0.35	1
Methyl Acetate	ND		ug/kg	4.2	1.0	1
Cyclohexane	ND		ug/kg	10	0.57	1
1,4-Dioxane	ND		ug/kg	84	37.	1
Freon-113	ND		ug/kg	4.2	0.73	1
Methyl cyclohexane	0.71	J	ug/kg	4.2	0.63	1

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-07

Date Collected: 08/12/21 14:00

Client ID: B-20 16-18'

Date Received: 08/17/21

Sample Location: RENSSELAER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	103		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/20/21 18:42
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1537858-5					
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
1,3-Dichloropropene, Total	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

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/20/21 18:42
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1537858-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
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
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
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
n-Butylbenzene	0.28	J	ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	0.16	J	ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.56	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.47	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/20/21 18:42
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1537858-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	95		70-130

Project Name: BARNET MILLS

Lab Number: L2144034

Project Number: 21-26694E

Report Date: 08/24/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/23/21 05:59
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1538254-5					
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
1,3-Dichloropropene, Total	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

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/23/21 05:59
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1538254-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
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
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
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
n-Butylbenzene	0.22	J	ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	0.11	J	ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.59	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.44	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/23/21 05:59
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1538254-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1537858-3 WG1537858-4								
Methylene chloride	101		99		70-130	2		30
1,1-Dichloroethane	101		99		70-130	2		30
Chloroform	97		96		70-130	1		30
Carbon tetrachloride	110		109		70-130	1		30
1,2-Dichloropropane	100		100		70-130	0		30
Dibromochloromethane	108		108		70-130	0		30
1,1,2-Trichloroethane	102		101		70-130	1		30
Tetrachloroethene	113		112		70-130	1		30
Chlorobenzene	102		102		70-130	0		30
Trichlorofluoromethane	114		112		70-139	2		30
1,2-Dichloroethane	98		99		70-130	1		30
1,1,1-Trichloroethane	108		105		70-130	3		30
Bromodichloromethane	103		104		70-130	1		30
trans-1,3-Dichloropropene	104		104		70-130	0		30
cis-1,3-Dichloropropene	109		110		70-130	1		30
Bromoform	100		104		70-130	4		30
1,1,2,2-Tetrachloroethane	94		95		70-130	1		30
Benzene	104		103		70-130	1		30
Toluene	100		98		70-130	2		30
Ethylbenzene	98		97		70-130	1		30
Chloromethane	104		101		52-130	3		30
Bromomethane	122		115		57-147	6		30
Vinyl chloride	103		99		67-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1537858-3 WG1537858-4								
Chloroethane	91		91		50-151	0		30
1,1-Dichloroethene	108		107		65-135	1		30
trans-1,2-Dichloroethene	107		104		70-130	3		30
Trichloroethene	110		109		70-130	1		30
1,2-Dichlorobenzene	98		99		70-130	1		30
1,3-Dichlorobenzene	101		100		70-130	1		30
1,4-Dichlorobenzene	99		98		70-130	1		30
Methyl tert butyl ether	106		107		66-130	1		30
p/m-Xylene	108		106		70-130	2		30
o-Xylene	96		95		70-130	1		30
cis-1,2-Dichloroethene	102		101		70-130	1		30
Styrene	100		100		70-130	0		30
Dichlorodifluoromethane	93		91		30-146	2		30
Acetone	104		108		54-140	4		30
Carbon disulfide	95		92		59-130	3		30
2-Butanone	91		89		70-130	2		30
4-Methyl-2-pentanone	106		109		70-130	3		30
2-Hexanone	91		91		70-130	0		30
Bromochloromethane	104		102		70-130	2		30
1,2-Dibromoethane	98		97		70-130	1		30
n-Butylbenzene	98		98		70-130	0		30
sec-Butylbenzene	100		99		70-130	1		30
tert-Butylbenzene	101		100		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1537858-3 WG1537858-4								
1,2-Dibromo-3-chloropropane	98		103		68-130	5		30
Isopropylbenzene	100		100		70-130	0		30
p-Isopropyltoluene	101		101		70-130	0		30
Naphthalene	94		97		70-130	3		30
n-Propylbenzene	100		100		70-130	0		30
1,2,3-Trichlorobenzene	98		100		70-130	2		30
1,2,4-Trichlorobenzene	100		103		70-130	3		30
1,3,5-Trimethylbenzene	100		100		70-130	0		30
1,2,4-Trimethylbenzene	99		99		70-130	0		30
Methyl Acetate	100		103		51-146	3		30
Cyclohexane	107		107		59-142	0		30
1,4-Dioxane	113		116		65-136	3		30
Freon-113	119		115		50-139	3		30
Methyl cyclohexane	116		116		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		92		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	93		93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1538254-3 WG1538254-4								
Methylene chloride	103		102		70-130	1		30
1,1-Dichloroethane	103		103		70-130	0		30
Chloroform	100		101		70-130	1		30
Carbon tetrachloride	120		118		70-130	2		30
1,2-Dichloropropane	95		99		70-130	4		30
Dibromochloromethane	104		108		70-130	4		30
1,1,2-Trichloroethane	88		94		70-130	7		30
Tetrachloroethene	111		111		70-130	0		30
Chlorobenzene	100		101		70-130	1		30
Trichlorofluoromethane	124		121		70-139	2		30
1,2-Dichloroethane	95		98		70-130	3		30
1,1,1-Trichloroethane	114		113		70-130	1		30
Bromodichloromethane	104		106		70-130	2		30
trans-1,3-Dichloropropene	98		100		70-130	2		30
cis-1,3-Dichloropropene	105		110		70-130	5		30
Bromoform	97		97		70-130	0		30
1,1,2,2-Tetrachloroethane	84		86		70-130	2		30
Benzene	103		104		70-130	1		30
Toluene	97		96		70-130	1		30
Ethylbenzene	98		98		70-130	0		30
Chloromethane	105		106		52-130	1		30
Bromomethane	142		135		57-147	5		30
Vinyl chloride	107		103		67-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1538254-3 WG1538254-4								
Chloroethane	108		105		50-151	3		30
1,1-Dichloroethene	111		110		65-135	1		30
trans-1,2-Dichloroethene	111		107		70-130	4		30
Trichloroethene	108		111		70-130	3		30
1,2-Dichlorobenzene	99		98		70-130	1		30
1,3-Dichlorobenzene	103		101		70-130	2		30
1,4-Dichlorobenzene	101		98		70-130	3		30
Methyl tert butyl ether	98		100		66-130	2		30
p/m-Xylene	106		106		70-130	0		30
o-Xylene	94		95		70-130	1		30
cis-1,2-Dichloroethene	104		104		70-130	0		30
Styrene	99		99		70-130	0		30
Dichlorodifluoromethane	98		95		30-146	3		30
Acetone	85		96		54-140	12		30
Carbon disulfide	97		95		59-130	2		30
2-Butanone	66	Q	73		70-130	10		30
4-Methyl-2-pentanone	83		89		70-130	7		30
2-Hexanone	70		74		70-130	6		30
Bromochloromethane	107		108		70-130	1		30
1,2-Dibromoethane	87		92		70-130	6		30
n-Butylbenzene	103		101		70-130	2		30
sec-Butylbenzene	104		101		70-130	3		30
tert-Butylbenzene	105		102		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1538254-3 WG1538254-4								
1,2-Dibromo-3-chloropropane	91		94		68-130	3		30
Isopropylbenzene	104		100		70-130	4		30
p-Isopropyltoluene	106		103		70-130	3		30
Naphthalene	87		90		70-130	3		30
n-Propylbenzene	102		98		70-130	4		30
1,2,3-Trichlorobenzene	97		97		70-130	0		30
1,2,4-Trichlorobenzene	103		102		70-130	1		30
1,3,5-Trimethylbenzene	100		99		70-130	1		30
1,2,4-Trimethylbenzene	100		97		70-130	3		30
Methyl Acetate	79		83		51-146	5		30
Cyclohexane	108		106		59-142	2		30
1,4-Dioxane	89		94		65-136	5		30
Freon-113	124		121		50-139	2		30
Methyl cyclohexane	114		116		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		91		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	97		94		70-130
Dibromofluoromethane	98		98		70-130

SEMIVOLATILES

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-01
 Client ID: B-1 10-15'
 Sample Location: RENSSELAER, NY

Date Collected: 08/09/21 09:30
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/23/21 16:41
 Analyst: SLR
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 08/21/21 13:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	140	J	ug/kg	160	20.	1
Fluoranthene	55	J	ug/kg	120	23.	1
Benzo(a)anthracene	160		ug/kg	120	22.	1
Benzo(a)pyrene	61	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	43	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	240		ug/kg	120	21.	1
Acenaphthylene	35	J	ug/kg	160	31.	1
Anthracene	120		ug/kg	120	39.	1
Benzo(ghi)perylene	42	J	ug/kg	160	23.	1
Fluorene	150	J	ug/kg	200	19.	1
Phenanthrene	730		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	210		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	50		30-120
4-Terphenyl-d14	47		18-120

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-02
 Client ID: B-2 10-15'
 Sample Location: RENSSELAER, NY

Date Collected: 08/09/21 11:00
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/23/21 17:05
 Analyst: SLR
 Percent Solids: 83%

Extraction Method: EPA 3546
 Extraction Date: 08/21/21 13:59

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	23.	1
Benzo(a)anthracene	41	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	60	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	34	J	ug/kg	200	19.	1
Phenanthrene	88	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	51	J	ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	69		30-120
4-Terphenyl-d14	65		18-120

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-03
 Client ID: B-7 4-5'
 Sample Location: RENSSELAER, NY

Date Collected: 08/10/21 11:05
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/24/21 13:50
 Analyst: JG
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 08/21/21 13:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	70	J	ug/kg	150	20.	1
Fluoranthene	47	J	ug/kg	110	22.	1
Benzo(a)anthracene	120		ug/kg	110	21.	1
Benzo(a)pyrene	54	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	37	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	250		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	61	J	ug/kg	110	37.	1
Benzo(ghi)perylene	28	J	ug/kg	150	22.	1
Fluorene	130	J	ug/kg	190	18.	1
Phenanthrene	150		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	160		ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	63		30-120
4-Terphenyl-d14	63		18-120

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-04
 Client ID: B-8 4-5'
 Sample Location: RENSSELAER, NY

Date Collected: 08/10/21 11:30
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/24/21 14:14
 Analyst: JG
 Percent Solids: 78%

Extraction Method: EPA 3546
 Extraction Date: 08/21/21 13:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	330	J	ug/kg	510	66.	1
Fluoranthene	1200		ug/kg	380	73.	1
Benzo(a)anthracene	780		ug/kg	380	72.	1
Benzo(a)pyrene	430	J	ug/kg	510	160	1
Benzo(b)fluoranthene	880		ug/kg	380	110	1
Benzo(k)fluoranthene	220	J	ug/kg	380	100	1
Chrysene	1300		ug/kg	380	66.	1
Acenaphthylene	120	J	ug/kg	510	98.	1
Anthracene	430		ug/kg	380	120	1
Benzo(ghi)perylene	270	J	ug/kg	510	75.	1
Fluorene	320	J	ug/kg	640	62.	1
Phenanthrene	1000		ug/kg	380	77.	1
Dibenzo(a,h)anthracene	100	J	ug/kg	380	74.	1
Indeno(1,2,3-cd)pyrene	310	J	ug/kg	510	89.	1
Pyrene	1300		ug/kg	380	63.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	58		30-120
4-Terphenyl-d14	52		18-120

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-05
 Client ID: B-13 10-15'
 Sample Location: RENSSELAER, NY

Date Collected: 08/11/21 10:40
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/23/21 18:16
 Analyst: SLR
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 08/22/21 14:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	430	55.	1
Fluoranthene	ND		ug/kg	320	61.	1
Benzo(a)anthracene	ND		ug/kg	320	60.	1
Benzo(a)pyrene	ND		ug/kg	430	130	1
Benzo(b)fluoranthene	ND		ug/kg	320	90.	1
Benzo(k)fluoranthene	ND		ug/kg	320	85.	1
Chrysene	ND		ug/kg	320	56.	1
Acenaphthylene	ND		ug/kg	430	82.	1
Anthracene	ND		ug/kg	320	100	1
Benzo(ghi)perylene	ND		ug/kg	430	63.	1
Fluorene	ND		ug/kg	530	52.	1
Phenanthrene	ND		ug/kg	320	65.	1
Dibenzo(a,h)anthracene	ND		ug/kg	320	62.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	430	74.	1
Pyrene	ND		ug/kg	320	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	78		30-120
4-Terphenyl-d14	80		18-120

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-06
 Client ID: B-19 15-20'
 Sample Location: RENSSELAER, NY

Date Collected: 08/12/21 11:15
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/23/21 18:40
 Analyst: SLR
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 08/22/21 14:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	450	58.	1
Fluoranthene	ND		ug/kg	340	64.	1
Benzo(a)anthracene	ND		ug/kg	340	63.	1
Benzo(a)pyrene	ND		ug/kg	450	140	1
Benzo(b)fluoranthene	ND		ug/kg	340	94.	1
Benzo(k)fluoranthene	ND		ug/kg	340	89.	1
Chrysene	ND		ug/kg	340	58.	1
Acenaphthylene	ND		ug/kg	450	86.	1
Anthracene	ND		ug/kg	340	110	1
Benzo(ghi)perylene	ND		ug/kg	450	66.	1
Fluorene	ND		ug/kg	560	54.	1
Phenanthrene	ND		ug/kg	340	68.	1
Dibenzo(a,h)anthracene	ND		ug/kg	340	64.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	450	78.	1
Pyrene	ND		ug/kg	340	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	80		30-120
4-Terphenyl-d14	84		18-120

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-07
 Client ID: B-20 16-18'
 Sample Location: RENSSELAER, NY

Date Collected: 08/12/21 14:00
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/23/21 19:04
 Analyst: SLR
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 08/22/21 14:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	420	54.	1
Fluoranthene	ND		ug/kg	320	60.	1
Benzo(a)anthracene	76	J	ug/kg	320	59.	1
Benzo(a)pyrene	ND		ug/kg	420	130	1
Benzo(b)fluoranthene	ND		ug/kg	320	88.	1
Benzo(k)fluoranthene	ND		ug/kg	320	84.	1
Chrysene	96	J	ug/kg	320	55.	1
Acenaphthylene	ND		ug/kg	420	81.	1
Anthracene	ND		ug/kg	320	100	1
Benzo(ghi)perylene	ND		ug/kg	420	62.	1
Fluorene	ND		ug/kg	520	51.	1
Phenanthrene	ND		ug/kg	320	64.	1
Dibenzo(a,h)anthracene	ND		ug/kg	320	61.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	420	73.	1
Pyrene	99	J	ug/kg	320	52.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	83		30-120
4-Terphenyl-d14	81		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/23/21 09:10
Analyst: JRW

Extraction Method: EPA 3546
Extraction Date: 08/21/21 13:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1537716-1					
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	68		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	76		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/23/21 10:21
Analyst: JRW

Extraction Method: EPA 3546
Extraction Date: 08/22/21 14:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-07 Batch: WG1537816-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	97	19.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	96		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	109		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

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 Batch: WG1537716-2 WG1537716-3								
Acenaphthene	70		76		31-137	8		50
Fluoranthene	74		82		40-140	10		50
Benzo(a)anthracene	71		79		40-140	11		50
Benzo(a)pyrene	78		84		40-140	7		50
Benzo(b)fluoranthene	78		83		40-140	6		50
Benzo(k)fluoranthene	73		81		40-140	10		50
Chrysene	71		76		40-140	7		50
Acenaphthylene	71		78		40-140	9		50
Anthracene	73		79		40-140	8		50
Benzo(ghi)perylene	73		80		40-140	9		50
Fluorene	71		79		40-140	11		50
Phenanthrene	69		76		40-140	10		50
Dibenzo(a,h)anthracene	74		81		40-140	9		50
Indeno(1,2,3-cd)pyrene	74		80		40-140	8		50
Pyrene	71		78		35-142	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		78		25-120
Phenol-d6	77		84		10-120
Nitrobenzene-d5	72		79		23-120
2-Fluorobiphenyl	66		71		30-120
2,4,6-Tribromophenol	67		75		10-136
4-Terphenyl-d14	68		75		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG1537816-2 WG1537816-3								
Acenaphthene	82		84		31-137	2		50
Fluoranthene	88		90		40-140	2		50
Benzo(a)anthracene	85		87		40-140	2		50
Benzo(a)pyrene	91		96		40-140	5		50
Benzo(b)fluoranthene	90		93		40-140	3		50
Benzo(k)fluoranthene	89		92		40-140	3		50
Chrysene	84		85		40-140	1		50
Acenaphthylene	84		85		40-140	1		50
Anthracene	87		87		40-140	0		50
Benzo(ghi)perylene	88		90		40-140	2		50
Fluorene	84		86		40-140	2		50
Phenanthrene	82		84		40-140	2		50
Dibenzo(a,h)anthracene	90		91		40-140	1		50
Indeno(1,2,3-cd)pyrene	90		91		40-140	1		50
Pyrene	85		88		35-142	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	91		89		25-120
Phenol-d6	98		98		10-120
Nitrobenzene-d5	91		89		23-120
2-Fluorobiphenyl	84		84		30-120
2,4,6-Tribromophenol	88		90		10-136
4-Terphenyl-d14	92		96		18-120

PCBS

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-01
 Client ID: B-1 10-15'
 Sample Location: RENSSELAER, NY

Date Collected: 08/09/21 09:30
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/23/21 09:18
 Analyst: AWS
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 08/22/21 08:53
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/22/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	108	9.62	1	A
Aroclor 1221	ND		ug/kg	108	10.8	1	A
Aroclor 1232	ND		ug/kg	108	23.0	1	A
Aroclor 1242	ND		ug/kg	108	14.6	1	A
Aroclor 1248	ND		ug/kg	108	16.2	1	A
Aroclor 1254	ND		ug/kg	108	11.8	1	A
Aroclor 1260	ND		ug/kg	108	20.0	1	A
Aroclor 1262	ND		ug/kg	108	13.8	1	A
Aroclor 1268	ND		ug/kg	108	11.2	1	A
PCBs, Total	ND		ug/kg	108	9.62	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-02
 Client ID: B-2 10-15'
 Sample Location: RENSSELAER, NY

Date Collected: 08/09/21 11:00
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/23/21 09:25
 Analyst: AWS
 Percent Solids: 83%

Extraction Method: EPA 3546
 Extraction Date: 08/22/21 08:53
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/22/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	106	9.44	1	A
Aroclor 1221	ND		ug/kg	106	10.6	1	A
Aroclor 1232	ND		ug/kg	106	22.5	1	A
Aroclor 1242	ND		ug/kg	106	14.3	1	A
Aroclor 1248	ND		ug/kg	106	15.9	1	A
Aroclor 1254	ND		ug/kg	106	11.6	1	A
Aroclor 1260	ND		ug/kg	106	19.6	1	A
Aroclor 1262	ND		ug/kg	106	13.5	1	A
Aroclor 1268	ND		ug/kg	106	11.0	1	A
PCBs, Total	ND		ug/kg	106	9.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-03
 Client ID: B-7 4-5'
 Sample Location: RENSSELAER, NY

Date Collected: 08/10/21 11:05
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/23/21 09:33
 Analyst: AWS
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 08/22/21 08:53
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/22/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	114	10.1	1	A
Aroclor 1221	ND		ug/kg	114	11.4	1	A
Aroclor 1232	ND		ug/kg	114	24.1	1	A
Aroclor 1242	ND		ug/kg	114	15.3	1	A
Aroclor 1248	ND		ug/kg	114	17.0	1	A
Aroclor 1254	ND		ug/kg	114	12.4	1	A
Aroclor 1260	ND		ug/kg	114	21.0	1	A
Aroclor 1262	ND		ug/kg	114	14.4	1	A
Aroclor 1268	ND		ug/kg	114	11.8	1	A
PCBs, Total	ND		ug/kg	114	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-04
 Client ID: B-8 4-5'
 Sample Location: RENSSELAER, NY

Date Collected: 08/10/21 11:30
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/23/21 09:40
 Analyst: AWS
 Percent Solids: 78%

Extraction Method: EPA 3546
 Extraction Date: 08/22/21 08:53
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/22/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	114	10.2	1	A
Aroclor 1221	ND		ug/kg	114	11.5	1	A
Aroclor 1232	ND		ug/kg	114	24.3	1	A
Aroclor 1242	ND		ug/kg	114	15.4	1	A
Aroclor 1248	ND		ug/kg	114	17.2	1	A
Aroclor 1254	ND		ug/kg	114	12.5	1	A
Aroclor 1260	ND		ug/kg	114	21.1	1	A
Aroclor 1262	ND		ug/kg	114	14.5	1	A
Aroclor 1268	15.8	J	ug/kg	114	11.8	1	A
PCBs, Total	15.8	J	ug/kg	114	10.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-05
 Client ID: B-13 10-15'
 Sample Location: RENSSELAER, NY

Date Collected: 08/11/21 10:40
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/23/21 09:47
 Analyst: AWS
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 08/22/21 08:53
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/22/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	114	10.2	1	A
Aroclor 1221	ND		ug/kg	114	11.4	1	A
Aroclor 1232	ND		ug/kg	114	24.2	1	A
Aroclor 1242	ND		ug/kg	114	15.4	1	A
Aroclor 1248	ND		ug/kg	114	17.1	1	A
Aroclor 1254	ND		ug/kg	114	12.5	1	A
Aroclor 1260	ND		ug/kg	114	21.1	1	A
Aroclor 1262	ND		ug/kg	114	14.5	1	A
Aroclor 1268	ND		ug/kg	114	11.8	1	A
PCBs, Total	ND		ug/kg	114	10.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-06
 Client ID: B-19 15-20'
 Sample Location: RENSSELAER, NY

Date Collected: 08/12/21 11:15
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/23/21 09:54
 Analyst: AWS
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 08/22/21 08:53
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/22/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	103	9.15	1	A
Aroclor 1221	ND		ug/kg	103	10.3	1	A
Aroclor 1232	ND		ug/kg	103	21.8	1	A
Aroclor 1242	ND		ug/kg	103	13.9	1	A
Aroclor 1248	ND		ug/kg	103	15.5	1	A
Aroclor 1254	ND		ug/kg	103	11.3	1	A
Aroclor 1260	ND		ug/kg	103	19.0	1	A
Aroclor 1262	ND		ug/kg	103	13.1	1	A
Aroclor 1268	ND		ug/kg	103	10.7	1	A
PCBs, Total	ND		ug/kg	103	9.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-07
 Client ID: B-20 16-18'
 Sample Location: RENSSELAER, NY

Date Collected: 08/12/21 14:00
 Date Received: 08/17/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/23/21 10:02
 Analyst: AWS
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 08/22/21 08:53
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/22/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	113	10.0	1	A
Aroclor 1221	ND		ug/kg	113	11.3	1	A
Aroclor 1232	ND		ug/kg	113	23.9	1	A
Aroclor 1242	ND		ug/kg	113	15.2	1	A
Aroclor 1248	ND		ug/kg	113	16.9	1	A
Aroclor 1254	ND		ug/kg	113	12.3	1	A
Aroclor 1260	ND		ug/kg	113	20.8	1	A
Aroclor 1262	ND		ug/kg	113	14.3	1	A
Aroclor 1268	ND		ug/kg	113	11.7	1	A
PCBs, Total	ND		ug/kg	113	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/23/21 08:49
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 08/22/21 08:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/22/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07 Batch: WG1537779-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.23	A
Aroclor 1232	ND		ug/kg	32.2	6.83	A
Aroclor 1242	ND		ug/kg	32.2	4.34	A
Aroclor 1248	ND		ug/kg	32.2	4.84	A
Aroclor 1254	ND		ug/kg	32.2	3.53	A
Aroclor 1260	ND		ug/kg	32.2	5.96	A
Aroclor 1262	ND		ug/kg	32.2	4.09	A
Aroclor 1268	ND		ug/kg	32.2	3.34	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1537779-2 WG1537779-3									
Aroclor 1016	79		86		40-140	8		50	A
Aroclor 1260	79		86		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		87		30-150	A
Decachlorobiphenyl	77		83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		75		30-150	B
Decachlorobiphenyl	86		93		30-150	B

METALS

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-01

Date Collected: 08/09/21 09:30

Client ID: B-1 10-15'

Date Received: 08/17/21

Sample Location: RENSSELAER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	5.58		mg/kg	0.471	0.098	1	08/19/21 08:15	08/20/21 20:36	EPA 3050B	1,6010D	JC
Barium, Total	26.6		mg/kg	0.471	0.082	1	08/19/21 08:15	08/20/21 20:36	EPA 3050B	1,6010D	JC
Cadmium, Total	0.212	J	mg/kg	0.471	0.046	1	08/19/21 08:15	08/20/21 20:36	EPA 3050B	1,6010D	JC
Chromium, Total	11.2		mg/kg	0.471	0.045	1	08/19/21 08:15	08/20/21 20:36	EPA 3050B	1,6010D	JC
Lead, Total	8.48		mg/kg	2.36	0.126	1	08/19/21 08:15	08/20/21 20:36	EPA 3050B	1,6010D	JC
Mercury, Total	ND		mg/kg	0.076	0.050	1	08/19/21 09:30	08/19/21 19:23	EPA 7471B	1,7471B	OU
Selenium, Total	0.655	J	mg/kg	0.942	0.122	1	08/19/21 08:15	08/20/21 20:36	EPA 3050B	1,6010D	JC
Silver, Total	ND		mg/kg	0.471	0.133	1	08/19/21 08:15	08/20/21 20:36	EPA 3050B	1,6010D	JC



Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-03

Date Collected: 08/10/21 11:05

Client ID: B-7 4-5'

Date Received: 08/17/21

Sample Location: RENSSELAER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	5.42		mg/kg	0.443	0.092	1	08/19/21 08:15	08/20/21 20:41	EPA 3050B	1,6010D	JC
Barium, Total	42.7		mg/kg	0.443	0.077	1	08/19/21 08:15	08/20/21 20:41	EPA 3050B	1,6010D	JC
Cadmium, Total	0.226	J	mg/kg	0.443	0.043	1	08/19/21 08:15	08/20/21 20:41	EPA 3050B	1,6010D	JC
Chromium, Total	13.3		mg/kg	0.443	0.043	1	08/19/21 08:15	08/20/21 20:41	EPA 3050B	1,6010D	JC
Lead, Total	13.7		mg/kg	2.22	0.119	1	08/19/21 08:15	08/20/21 20:41	EPA 3050B	1,6010D	JC
Mercury, Total	0.048	J	mg/kg	0.072	0.047	1	08/19/21 09:30	08/19/21 19:26	EPA 7471B	1,7471B	OU
Selenium, Total	0.855	J	mg/kg	0.886	0.114	1	08/19/21 08:15	08/20/21 20:41	EPA 3050B	1,6010D	JC
Silver, Total	ND		mg/kg	0.443	0.125	1	08/19/21 08:15	08/20/21 20:41	EPA 3050B	1,6010D	JC



Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-04

Date Collected: 08/10/21 11:30

Client ID: B-8 4-5'

Date Received: 08/17/21

Sample Location: RENSSELAER, NY

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											
Arsenic, Total	37.2		mg/kg	0.501	0.104	1	08/19/21 08:15	08/20/21 21:17	EPA 3050B	1,6010D	JC
Barium, Total	33.6		mg/kg	0.501	0.087	1	08/19/21 08:15	08/20/21 21:17	EPA 3050B	1,6010D	JC
Cadmium, Total	0.526		mg/kg	0.501	0.049	1	08/19/21 08:15	08/20/21 21:17	EPA 3050B	1,6010D	JC
Chromium, Total	21.2		mg/kg	0.501	0.048	1	08/19/21 08:15	08/20/21 21:17	EPA 3050B	1,6010D	JC
Lead, Total	65.8		mg/kg	2.51	0.134	1	08/19/21 08:15	08/20/21 21:17	EPA 3050B	1,6010D	JC
Mercury, Total	0.123		mg/kg	0.083	0.054	1	08/19/21 09:30	08/19/21 19:29	EPA 7471B	1,7471B	OU
Selenium, Total	3.93		mg/kg	1.00	0.129	1	08/19/21 08:15	08/20/21 21:17	EPA 3050B	1,6010D	JC
Silver, Total	ND		mg/kg	0.501	0.142	1	08/19/21 08:15	08/20/21 21:17	EPA 3050B	1,6010D	JC



Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**SAMPLE RESULTS**

Lab ID: L2144034-06

Date Collected: 08/12/21 11:15

Client ID: B-19 15-20'

Date Received: 08/17/21

Sample Location: RENSSELAER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	6.18		mg/kg	0.437	0.091	1	08/19/21 08:15	08/20/21 21:22	EPA 3050B	1,6010D	JC
Barium, Total	26.7		mg/kg	0.437	0.076	1	08/19/21 08:15	08/20/21 21:22	EPA 3050B	1,6010D	JC
Cadmium, Total	0.245	J	mg/kg	0.437	0.043	1	08/19/21 08:15	08/20/21 21:22	EPA 3050B	1,6010D	JC
Chromium, Total	13.4		mg/kg	0.437	0.042	1	08/19/21 08:15	08/20/21 21:22	EPA 3050B	1,6010D	JC
Lead, Total	8.54		mg/kg	2.18	0.117	1	08/19/21 08:15	08/20/21 21:22	EPA 3050B	1,6010D	JC
Mercury, Total	ND		mg/kg	0.074	0.048	1	08/19/21 09:30	08/19/21 19:32	EPA 7471B	1,7471B	OU
Selenium, Total	0.616	J	mg/kg	0.874	0.113	1	08/19/21 08:15	08/20/21 21:22	EPA 3050B	1,6010D	JC
Silver, Total	0.127	J	mg/kg	0.437	0.124	1	08/19/21 08:15	08/20/21 21:22	EPA 3050B	1,6010D	JC



Project Name: BARNET MILLS

Lab Number: L2144034

Project Number: 21-26694E

Report Date: 08/24/21

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): 01,03-04,06 Batch: WG1536607-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/19/21 08:15	08/20/21 20:22	1,6010D	JC
Barium, Total	ND		mg/kg	0.400	0.070	1	08/19/21 08:15	08/20/21 20:22	1,6010D	JC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/19/21 08:15	08/20/21 20:22	1,6010D	JC
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/19/21 08:15	08/20/21 20:22	1,6010D	JC
Lead, Total	ND		mg/kg	2.00	0.107	1	08/19/21 08:15	08/20/21 20:22	1,6010D	JC
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/19/21 08:15	08/20/21 20:22	1,6010D	JC
Silver, Total	ND		mg/kg	0.400	0.113	1	08/19/21 08:15	08/20/21 20:22	1,6010D	JC

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): 01,03-04,06 Batch: WG1536608-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/19/21 09:30	08/19/21 18:53	1,7471B	OU

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06 Batch: WG1536607-2 SRM Lot Number: D109-540								
Arsenic, Total	101		-		70-130	-		
Barium, Total	94		-		75-125	-		
Cadmium, Total	108		-		75-125	-		
Chromium, Total	99		-		70-130	-		
Lead, Total	96		-		72-128	-		
Selenium, Total	103		-		68-132	-		
Silver, Total	99		-		68-131	-		
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06 Batch: WG1536608-2 SRM Lot Number: D109-540								
Mercury, Total	103		-		60-140	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

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): 01,03-04,06 QC Batch ID: WG1536607-3 QC Sample: L2143909-13 Client ID: MS Sample												
Arsenic, Total	11.0	21.7	28.9	82		-	-		75-125	-		20
Barium, Total	448	362	664	60	Q	-	-		75-125	-		20
Cadmium, Total	1.17J	9.59	9.59	100		-	-		75-125	-		20
Chromium, Total	18.0	36.2	50.7	90		-	-		75-125	-		20
Lead, Total	65.3	95.9	116	53	Q	-	-		75-125	-		20
Selenium, Total	3.86	21.7	23.6	91		-	-		75-125	-		20
Silver, Total	ND	54.3	52.1	96		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06 QC Batch ID: WG1536608-3 QC Sample: L2143909-13 Client ID: MS Sample												
Mercury, Total	0.346	0.296	0.562	73	Q	-	-		80-120	-		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06 QC Batch ID: WG1536607-4 QC Sample: L2143909-13 Client ID: DUP Sample						
Arsenic, Total	11.0	12.4	mg/kg	12		20
Barium, Total	448	503	mg/kg	12		20
Cadmium, Total	1.17J	1.51J	mg/kg	NC		20
Chromium, Total	18.0	19.5	mg/kg	8		20
Lead, Total	65.3	70.9	mg/kg	8		20
Selenium, Total	3.86	4.64	mg/kg	18		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06 QC Batch ID: WG1536608-4 QC Sample: L2143909-13 Client ID: DUP Sample						
Mercury, Total	0.346	0.254	mg/kg	31	Q	20

Project Name: BARNET MILLS**Project Number:** 21-26694E**Lab Serial Dilution
Analysis
Batch Quality Control****Lab Number:** L2144034**Report Date:** 08/24/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06 QC Batch ID: WG1536607-6 QC Sample: L2143909-13 Client ID: DUP Sample						
Barium, Total	448	394	mg/kg	12		20

INORGANICS & MISCELLANEOUS

Project Name: BARNET MILLS**Project Number:** 21-26694E**Lab Number:** L2144034**Report Date:** 08/24/21**SAMPLE RESULTS****Lab ID:** L2144034-01**Client ID:** B-1 10-15'**Sample Location:** RENSSELAER, NY**Date Collected:** 08/09/21 09:30**Date Received:** 08/17/21**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	82.4		%	0.100	NA	1	-	08/18/21 11:43	121,2540G	RI



Project Name: BARNET MILLS**Project Number:** 21-26694E**Lab Number:** L2144034**Report Date:** 08/24/21**SAMPLE RESULTS****Lab ID:** L2144034-02**Client ID:** B-2 10-15'**Sample Location:** RENSSELAER, NY**Date Collected:** 08/09/21 11:00**Date Received:** 08/17/21**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	82.8		%	0.100	NA	1	-	08/18/21 09:24	121,2540G	RI



Project Name: BARNET MILLS**Project Number:** 21-26694E**Lab Number:** L2144034**Report Date:** 08/24/21**SAMPLE RESULTS****Lab ID:** L2144034-03**Client ID:** B-7 4-5'**Sample Location:** RENSSELAER, NY**Date Collected:** 08/10/21 11:05**Date Received:** 08/17/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	08/18/21 11:43	121,2540G	RI



Project Name: BARNET MILLS**Project Number:** 21-26694E**Lab Number:** L2144034**Report Date:** 08/24/21**SAMPLE RESULTS****Lab ID:** L2144034-04**Client ID:** B-8 4-5'**Sample Location:** RENSSELAER, NY**Date Collected:** 08/10/21 11:30**Date Received:** 08/17/21**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	77.6		%	0.100	NA	1	-	08/18/21 11:43	121,2540G	RI



Project Name: BARNET MILLS**Project Number:** 21-26694E**Lab Number:** L2144034**Report Date:** 08/24/21**SAMPLE RESULTS****Lab ID:** L2144034-05**Client ID:** B-13 10-15'**Sample Location:** RENSSELAER, NY**Date Collected:** 08/11/21 10:40**Date Received:** 08/17/21**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	86.1		%	0.100	NA	1	-	08/18/21 09:24	121,2540G	RI



Project Name: BARNET MILLS**Project Number:** 21-26694E**Lab Number:** L2144034**Report Date:** 08/24/21**SAMPLE RESULTS****Lab ID:** L2144034-06**Client ID:** B-19 15-20'**Sample Location:** RENSSELAER, NY**Date Collected:** 08/12/21 11:15**Date Received:** 08/17/21**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	86.0		%	0.100	NA	1	-	08/18/21 11:43	121,2540G	RI



Project Name: BARNET MILLS**Project Number:** 21-26694E**Lab Number:** L2144034**Report Date:** 08/24/21**SAMPLE RESULTS****Lab ID:** L2144034-07**Client ID:** B-20 16-18'**Sample Location:** RENSSELAER, NY**Date Collected:** 08/12/21 14:00**Date Received:** 08/17/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	08/18/21 09:24	121,2540G	RI



Lab Duplicate Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,05,07 QC Batch ID: WG1536317-1 QC Sample: L2142410-35 Client ID: DUP Sample						
Solids, Total	95.4	95.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01,03-04,06 QC Batch ID: WG1536363-1 QC Sample: L2144000-01 Client ID: DUP Sample						
Solids, Total	93.8	94.8	%	1		20

Project Name: BARNET MILLS
Project Number: 21-26694E

Serial_No: 08242116:46
Lab Number: L2144034
Report Date: 08/24/21

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(*)
L2144034-01A	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2144034-01B	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYCP51-PAH(14),NYTCL-8260-R2(14),TS(7),NYTCL-8082(365)
L2144034-01X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-01Y	Vial Water preserved split	A	NA		3.4	Y	Absent	19-AUG-21 04:57	NYTCL-8260-R2(14)
L2144034-01Z	Vial Water preserved split	A	NA		3.4	Y	Absent	19-AUG-21 04:57	NYTCL-8260-R2(14)
L2144034-02A	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-02B	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2144034-02X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-02Y	Vial Water preserved split	A	NA		3.4	Y	Absent	19-AUG-21 04:57	NYTCL-8260-R2(14)
L2144034-02Z	Vial Water preserved split	A	NA		3.4	Y	Absent	19-AUG-21 04:57	NYTCL-8260-R2(14)
L2144034-03A	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2144034-03B	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14),NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2144034-03X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-03Y	Vial Water preserved split	A	NA		3.4	Y	Absent	19-AUG-21 04:57	NYTCL-8260-R2(14)
L2144034-03Z	Vial Water preserved split	A	NA		3.4	Y	Absent	19-AUG-21 04:57	NYTCL-8260-R2(14)
L2144034-04A	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2144034-04B	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14),NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2144034-04X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-04Y	Vial Water preserved split	A	NA		3.4	Y	Absent	19-AUG-21 04:57	NYTCL-8260-R2(14)

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2144034-04Z	Vial Water preserved split	A	NA		3.4	Y	Absent	19-AUG-21 04:57	NYTCL-8260-R2(14)
L2144034-05A	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-05B	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2144034-05X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-05Y	Vial Water preserved split	A	NA		3.4	Y	Absent	19-AUG-21 04:57	NYTCL-8260-R2(14)
L2144034-05Z	Vial Water preserved split	A	NA		3.4	Y	Absent	19-AUG-21 04:57	NYTCL-8260-R2(14)
L2144034-06A	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2144034-06B	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYCP51-PAH(14),NYTCL-8260-R2(14),TS(7),NYTCL-8082(365)
L2144034-06X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-06Y	Vial Water preserved split	A	NA		3.4	Y	Absent		19-AUG-21 04:57 NYTCL-8260-R2(14)
L2144034-06Z	Vial Water preserved split	A	NA		3.4	Y	Absent	19-AUG-21 04:57	NYTCL-8260-R2(14)
L2144034-07A	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-07B	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2144034-07X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-07Y	Vial Water preserved split	A	NA		3.4	Y	Absent		19-AUG-21 04:57 NYTCL-8260-R2(14)
L2144034-07Z	Vial Water preserved split	A	NA		3.4	Y	Absent	19-AUG-21 04:57	NYTCL-8260-R2(14)

Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21

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: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

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.

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'.

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.

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.)

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 Identified Compounds (TICs).
- 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.

Report Format: DU Report with 'J' Qualifiers



Project Name: BARNET MILLS**Lab Number:** L2144034**Project Number:** 21-26694E**Report Date:** 08/24/21**Data Qualifiers**

- 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.

Report Format: DU Report with 'J' Qualifiers

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.****EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

^d 8/17/2

221440.34

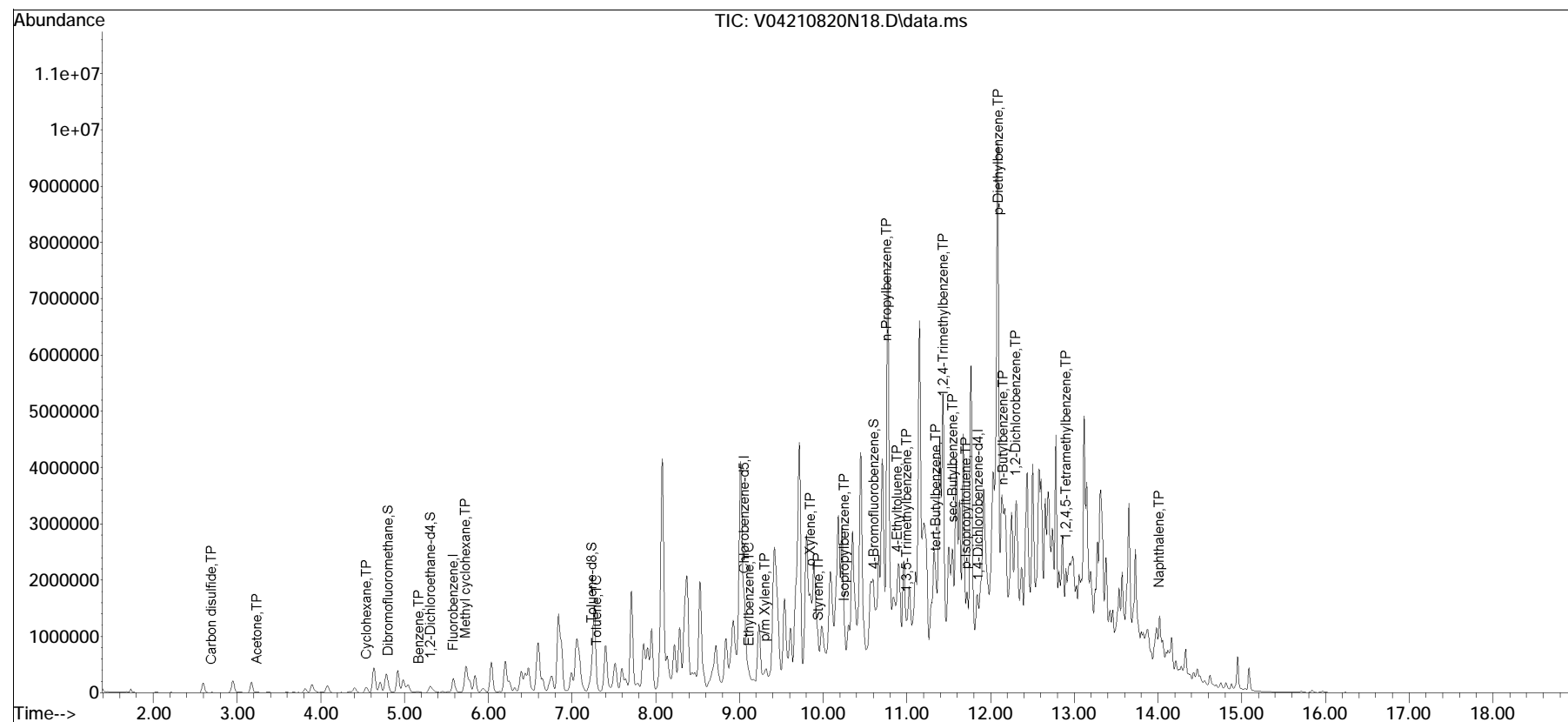
Page 88 of 90

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2021\210820N\
 Data File : V04210820N18.D
 Acq On : 21 Aug 2021 12:38 am
 Operator : VOA104:AJK
 Sample : 12144034-01,31,5.69,5,,y
 Misc : WG1537858,ICAL18128
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 15:51:12 2021
 Quant Method : I:\VOLATILES\VOA104\2021\210820N\V104_210707N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 08 11:04:08 2021
 Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox0N\V04210820N01.D•

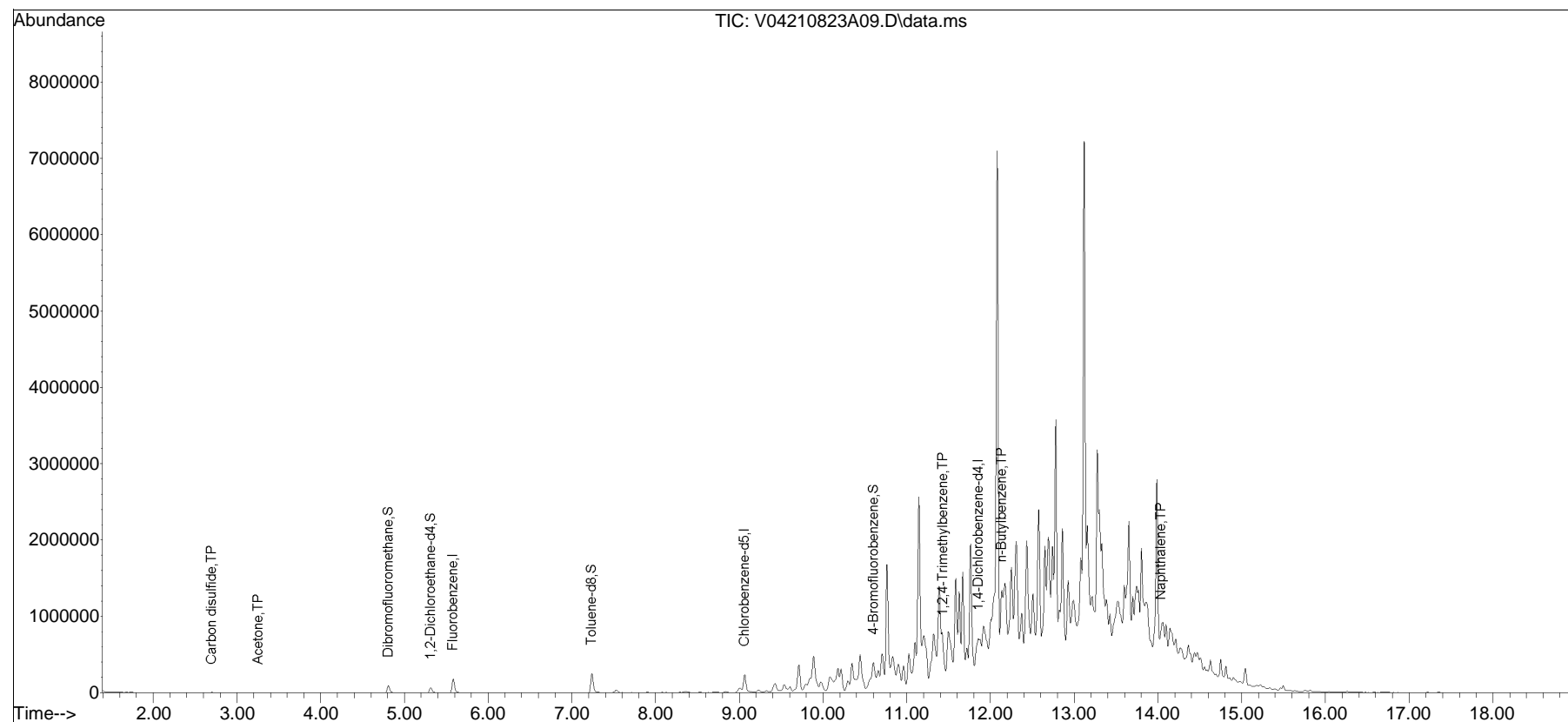


Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2021\210823A\
Data File : V04210823A09.D
Acq On : 23 Aug 2021 8:05 am
Operator : VOA104:MV
Sample : 12144034-05,31,5.46,5,,y
Misc : WG1538254,ICAL18128
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 23 09:18:47 2021
Quant Method : I:\VOLATILES\VOA104\2021\210823A\V104_210707N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 08 11:04:08 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10823A\V04210823A01.D•





ANALYTICAL REPORT

Lab Number:	L2149063
Client:	Alpine Environmental 438 New Karner Road Albany, NY 12205
ATTN:	Kim Baines
Phone:	(518) 250-4047
Project Name:	BARNET MILLS
Project Number:	21-26694E
Report Date:	09/28/21

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-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2149063-01	SW-TANK	WATER	RENSSELAER, NY	09/10/21 12:20	09/13/21
L2149063-02	SW-DR1	SOIL	RENSSELAER, NY	09/10/21 13:15	09/13/21
L2149063-03	SUB-STA-1	SOIL	RENSSELAER, NY	09/10/21 14:45	09/13/21
L2149063-04	SUB-STA-2	SOIL	RENSSELAER, NY	09/10/21 15:15	09/13/21
L2149063-05	SW-DR-1	WATER	RENSSELAER, NY	09/10/21 13:15	09/13/21
L2149063-06	SW-DR-2	SOIL	RENSSELAER, NY	09/10/21 15:40	09/13/21

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Case Narrative

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

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

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

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

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

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

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Case Narrative (continued)

Report Submission

September 28, 2021: This final report includes the results of all requested analyses.

September 27, 2021: 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.

Sample Receipt

L2149063-01: The analysis of Semivolatile Organics was requested on the Chain of Custody; however, sample containers were not received. This was verified by the client.

Volatile Organics

L2149063-02 and -03 were analyzed with the method required holding time exceeded.

L2149063-02, -03, -04 and -06: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

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: 09/28/21

ORGANICS

VOLATILES

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-01
 Client ID: SW-TANK
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 12:20
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/22/21 19:13
 Analyst: MKS

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: BARNET MILLS

Lab Number: L2149063

Project Number: 21-26694E

Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-01

Date Collected: 09/10/21 12:20

Client ID: SW-TANK

Date Received: 09/13/21

Sample Location: RENSSELAER, NY

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	0.70	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	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: BARNET MILLS

Lab Number: L2149063

Project Number: 21-26694E

Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-02
 Client ID: SW-DR1
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 13:15
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/27/21 14:08
 Analyst: MV
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - 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	ND		ug/kg	0.63	0.25	1
Chlorobenzene	ND		ug/kg	0.63	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.88	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.32	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	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.63	0.20	1
Bromoform	ND		ug/kg	5.0	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	0.68	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.73	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	ND		ug/kg	0.63	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-02
 Client ID: SW-DR1
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 13:15
 Date Received: 09/13/21
 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/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	0.25	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	6.9	J	ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.7	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	1.2	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	5.0	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	5.0	0.87	1
Methyl cyclohexane	ND		ug/kg	5.0	0.76	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	107		70-130

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-03
 Client ID: SUB-STA-1
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 14:45
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/27/21 12:52
 Analyst: MV
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - 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	ND		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	1.0		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: BARNET MILLS

Lab Number: L2149063

Project Number: 21-26694E

Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-03
 Client ID: SUB-STA-1
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 14:45
 Date Received: 09/13/21
 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/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	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-04
 Client ID: SUB-STA-2
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:15
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/22/21 17:10
 Analyst: MKS
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - 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	ND		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	0.26	J	ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-04
Client ID: SUB-STA-2
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:15
Date Received: 09/13/21
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/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	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	110		70-130

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-05
 Client ID: SW-DR-1
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 13:15
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/22/21 19:34
 Analyst: MKS

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	0.28	J	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: BARNET MILLS

Lab Number: L2149063

Project Number: 21-26694E

Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-05
 Client ID: SW-DR-1
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 13:15
 Date Received: 09/13/21
 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	0.70	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	1.9	J	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	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	93		70-130

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-06
 Client ID: SW-DR-2
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:40
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/22/21 17:35
 Analyst: MKS
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1
Trichloroethene	4.6		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-06
 Client ID: SW-DR-2
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:40
 Date Received: 09/13/21
 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/kg	2.0	0.14	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	0.55	1
o-Xylene	ND		ug/kg	0.98	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.17	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.90	1
Acetone	ND		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.5	1
2-Butanone	ND		ug/kg	9.8	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.2	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.98	1
Isopropylbenzene	ND		ug/kg	0.98	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	3.9	0.93	1
Cyclohexane	ND		ug/kg	9.8	0.53	1
1,4-Dioxane	ND		ug/kg	78	34.	1
Freon-113	ND		ug/kg	3.9	0.68	1
Methyl cyclohexane	ND		ug/kg	3.9	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	110		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/22/21 18:51
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05 Batch: WG1549904-5					
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
1,1,2,2-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: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/22/21 18:51
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05 Batch: WG1549904-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
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: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/22/21 18:51
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05 Batch: WG1549904-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/22/21 16:45
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,06 Batch: WG1550129-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.14	J	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: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/22/21 16:45
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,06 Batch: WG1550129-5					
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	0.70	J	ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	0.67	J	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	2.4	J	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: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/21 16:45
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,06 Batch: WG1550129-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/27/21 08:19
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1551390-5					
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: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/27/21 08:19
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1551390-5					
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	0.83	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.66	J	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: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/27/21 08:19
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1551390-5					

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

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

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: WG1549904-3 WG1549904-4								
Methylene chloride	99		99		70-130	0		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	96		95		70-130	1		20
Carbon tetrachloride	85		82		63-132	4		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	78		78		63-130	0		20
1,1,2-Trichloroethane	98		94		70-130	4		20
Tetrachloroethene	97		93		70-130	4		20
Chlorobenzene	96		96		75-130	0		20
Trichlorofluoromethane	95		98		62-150	3		20
1,2-Dichloroethane	95		98		70-130	3		20
1,1,1-Trichloroethane	92		90		67-130	2		20
Bromodichloromethane	86		88		67-130	2		20
trans-1,3-Dichloropropene	86		89		70-130	3		20
cis-1,3-Dichloropropene	91		92		70-130	1		20
Bromoform	70		71		54-136	1		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	98		97		70-130	1		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	90		88		39-139	2		20
Vinyl chloride	130		120		55-140	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

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: WG1549904-3 WG1549904-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	97		99		61-145	2		20
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	100		98		70-130	2		20
1,2-Dichlorobenzene	95		96		70-130	1		20
1,3-Dichlorobenzene	99		94		70-130	5		20
1,4-Dichlorobenzene	100		97		70-130	3		20
Methyl tert butyl ether	92		93		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	97		92		70-130	5		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	160	Q	160	Q	58-148	0		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	120		130		63-138	8		20
4-Methyl-2-pentanone	97		100		59-130	3		20
2-Hexanone	100		110		57-130	10		20
Bromochloromethane	93		91		70-130	2		20
1,2-Dibromoethane	88		90		70-130	2		20
1,2-Dibromo-3-chloropropane	75		72		41-144	4		20
Isopropylbenzene	100		95		70-130	5		20
1,2,3-Trichlorobenzene	92		95		70-130	3		20

Lab Control Sample Analysis Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

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: WG1549904-3 WG1549904-4								
1,2,4-Trichlorobenzene	91		92		70-130	1		20
Methyl Acetate	99		100		70-130	1		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	88		90		56-162	2		20
Freon-113	100		110		70-130	10		20
Methyl cyclohexane	100		100		70-130	0		20

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,06 Batch: WG1550129-3 WG1550129-4								
Methylene chloride	81		79		70-130	3		30
1,1-Dichloroethane	87		85		70-130	2		30
Chloroform	78		76		70-130	3		30
Carbon tetrachloride	88		85		70-130	3		30
1,2-Dichloropropane	90		88		70-130	2		30
Dibromochloromethane	94		93		70-130	1		30
1,1,2-Trichloroethane	84		83		70-130	1		30
Tetrachloroethene	100		97		70-130	3		30
Chlorobenzene	87		86		70-130	1		30
Trichlorofluoromethane	56	Q	54	Q	70-139	4		30
1,2-Dichloroethane	81		79		70-130	3		30
1,1,1-Trichloroethane	87		84		70-130	4		30
Bromodichloromethane	85		84		70-130	1		30
trans-1,3-Dichloropropene	86		85		70-130	1		30
cis-1,3-Dichloropropene	95		94		70-130	1		30
Bromoform	94		93		70-130	1		30
1,1,2,2-Tetrachloroethane	83		81		70-130	2		30
Benzene	88		86		70-130	2		30
Toluene	80		78		70-130	3		30
Ethylbenzene	85		83		70-130	2		30
Chloromethane	74		70		52-130	6		30
Bromomethane	48	Q	47	Q	57-147	2		30
Vinyl chloride	59	Q	57	Q	67-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,06 Batch: WG1550129-3 WG1550129-4								
Chloroethane	52		50		50-151	4		30
1,1-Dichloroethene	94		90		65-135	4		30
trans-1,2-Dichloroethene	93		90		70-130	3		30
Trichloroethene	92		90		70-130	2		30
1,2-Dichlorobenzene	90		90		70-130	0		30
1,3-Dichlorobenzene	90		88		70-130	2		30
1,4-Dichlorobenzene	88		87		70-130	1		30
Methyl tert butyl ether	89		88		66-130	1		30
p/m-Xylene	91		90		70-130	1		30
o-Xylene	80		79		70-130	1		30
cis-1,2-Dichloroethene	91		89		70-130	2		30
Styrene	80		79		70-130	1		30
Dichlorodifluoromethane	42		41		30-146	2		30
Acetone	138		117		54-140	16		30
Carbon disulfide	75		72		59-130	4		30
2-Butanone	137	Q	134	Q	70-130	2		30
4-Methyl-2-pentanone	98		96		70-130	2		30
2-Hexanone	114		113		70-130	1		30
Bromochloromethane	96		94		70-130	2		30
1,2-Dibromoethane	94		93		70-130	1		30
1,2-Dibromo-3-chloropropane	100		99		68-130	1		30
Isopropylbenzene	86		86		70-130	0		30
1,2,3-Trichlorobenzene	107		108		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,06 Batch: WG1550129-3 WG1550129-4								
1,2,4-Trichlorobenzene	105		106		70-130	1		30
Methyl Acetate	93		89		51-146	4		30
Cyclohexane	95		92		59-142	3		30
1,4-Dioxane	88		84		65-136	5		30
Freon-113	93		89		50-139	4		30
Methyl cyclohexane	89		87		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		89		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	106		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1551390-3 WG1551390-4								
Methylene chloride	87		83		70-130	5		30
1,1-Dichloroethane	102		99		70-130	3		30
Chloroform	93		91		70-130	2		30
Carbon tetrachloride	79		90		70-130	13		30
1,2-Dichloropropane	99		98		70-130	1		30
Dibromochloromethane	83		92		70-130	10		30
1,1,2-Trichloroethane	93		92		70-130	1		30
Tetrachloroethene	105		102		70-130	3		30
Chlorobenzene	98		96		70-130	2		30
Trichlorofluoromethane	104		97		70-139	7		30
1,2-Dichloroethane	94		93		70-130	1		30
1,1,1-Trichloroethane	96		99		70-130	3		30
Bromodichloromethane	90		97		70-130	7		30
trans-1,3-Dichloropropene	85		93		70-130	9		30
cis-1,3-Dichloropropene	90		96		70-130	6		30
Bromoform	74		82		70-130	10		30
1,1,2,2-Tetrachloroethane	91		91		70-130	0		30
Benzene	96		94		70-130	2		30
Toluene	94		92		70-130	2		30
Ethylbenzene	101		99		70-130	2		30
Chloromethane	95		88		52-130	8		30
Bromomethane	93		87		57-147	7		30
Vinyl chloride	93		89		67-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1551390-3 WG1551390-4								
Chloroethane	102		97		50-151	5		30
1,1-Dichloroethene	98		94		65-135	4		30
trans-1,2-Dichloroethene	101		95		70-130	6		30
Trichloroethene	95		93		70-130	2		30
1,2-Dichlorobenzene	97		95		70-130	2		30
1,3-Dichlorobenzene	102		98		70-130	4		30
1,4-Dichlorobenzene	98		96		70-130	2		30
Methyl tert butyl ether	85		82		66-130	4		30
p/m-Xylene	99		98		70-130	1		30
o-Xylene	101		99		70-130	2		30
cis-1,2-Dichloroethene	100		96		70-130	4		30
Styrene	101		99		70-130	2		30
Dichlorodifluoromethane	82		76		30-146	8		30
Acetone	76		72		54-140	5		30
Carbon disulfide	90		85		59-130	6		30
2-Butanone	92		84		70-130	9		30
4-Methyl-2-pentanone	90		88		70-130	2		30
2-Hexanone	100		100		70-130	0		30
Bromochloromethane	100		96		70-130	4		30
1,2-Dibromoethane	87		94		70-130	8		30
1,2-Dibromo-3-chloropropane	63	Q	73		68-130	15		30
Isopropylbenzene	102		98		70-130	4		30
1,2,3-Trichlorobenzene	86		86		70-130	0		30

Lab Control Sample Analysis Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1551390-3 WG1551390-4								
1,2,4-Trichlorobenzene	96		94		70-130	2		30
Methyl Acetate	75		77		51-146	3		30
Cyclohexane	107		103		59-142	4		30
1,4-Dioxane	76		77		65-136	1		30
Freon-113	105		100		50-139	5		30
Methyl cyclohexane	102		99		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	101		100		70-130

SEMIVOLATILES

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-02
 Client ID: SW-DR1
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 13:15
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/22/21 09:12
 Analyst: ALS
 Percent Solids: 78%

Extraction Method: EPA 3546
 Extraction Date: 09/19/21 20:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	44	J	ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	790		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	39	J	ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	230		ug/kg	210	73.	1
Butyl benzyl phthalate	280		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1

Project Name: BARNET MILLS

Lab Number: L2149063

Project Number: 21-26694E

Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-02
 Client ID: SW-DR1
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 13:15
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	420		ug/kg	130	24.	1
Benzo(a)pyrene	390		ug/kg	170	52.	1
Benzo(b)fluoranthene	560		ug/kg	130	36.	1
Benzo(k)fluoranthene	150		ug/kg	130	34.	1
Chrysene	420		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	140		ug/kg	130	41.	1
Benzo(ghi)perylene	260		ug/kg	170	25.	1
Fluorene	50	J	ug/kg	210	20.	1
Phenanthrene	550		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	66	J	ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	290		ug/kg	170	29.	1
Pyrene	630		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	34	J	ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	80	J	ug/kg	210	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	57		18-120

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-03
 Client ID: SUB-STA-1
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 14:45
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/22/21 00:30
 Analyst: ALS
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 09/19/21 20:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-03
 Client ID: SUB-STA-1
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 14:45
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	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
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	54		10-136
4-Terphenyl-d14	64		18-120

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-04
 Client ID: SUB-STA-2
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:15
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/22/21 00:52
 Analyst: ALS
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 09/19/21 20:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-04
 Client ID: SUB-STA-2
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:15
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	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
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	71		18-120

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-06
 Client ID: SW-DR-2
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:40
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/22/21 09:34
 Analyst: ALS
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 09/19/21 20:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	180		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	2100		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	290		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	62	J	ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-06
 Client ID: SW-DR-2
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:40
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	1100		ug/kg	100	20.	1
Benzo(a)pyrene	1000		ug/kg	140	42.	1
Benzo(b)fluoranthene	1400		ug/kg	100	29.	1
Benzo(k)fluoranthene	420		ug/kg	100	28.	1
Chrysene	1000		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	370		ug/kg	100	34.	1
Benzo(ghi)perylene	690		ug/kg	140	20.	1
Fluorene	210		ug/kg	170	17.	1
Phenanthrene	1700		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	160		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	750		ug/kg	140	24.	1
Pyrene	1800		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	40.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	34.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	150	J	ug/kg	170	16.	1
2-Methylnaphthalene	74	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	22.	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	290		ug/kg	170	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	68		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/22/21 00:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/19/21 20:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-04,06 Batch: WG1548187-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	18.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/22/21 00:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/19/21 20:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-04,06 Batch: WG1548187-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	31.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	37.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
Benzyl Alcohol	ND		ug/kg	160	49.
Carbazole	ND		ug/kg	160	16.

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/22/21 00:06
 Analyst: SZ

Extraction Method: EPA 3546
 Extraction Date: 09/19/21 20:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-04,06 Batch: WG1548187-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	68		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

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 Batch: WG1548187-2 WG1548187-3								
Acenaphthene	79		63		31-137	23		50
1,2,4-Trichlorobenzene	75		64		38-107	16		50
Hexachlorobenzene	75		60		40-140	22		50
Bis(2-chloroethyl)ether	81		68		40-140	17		50
2-Chloronaphthalene	80		66		40-140	19		50
1,2-Dichlorobenzene	76		64		40-140	17		50
1,3-Dichlorobenzene	75		64		40-140	16		50
1,4-Dichlorobenzene	75		63		28-104	17		50
3,3'-Dichlorobenzidine	64		54		40-140	17		50
2,4-Dinitrotoluene	87		70		40-132	22		50
2,6-Dinitrotoluene	84		67		40-140	23		50
Fluoranthene	82		66		40-140	22		50
4-Chlorophenyl phenyl ether	80		65		40-140	21		50
4-Bromophenyl phenyl ether	83		65		40-140	24		50
Bis(2-chloroisopropyl)ether	82		69		40-140	17		50
Bis(2-chloroethoxy)methane	81		66		40-117	20		50
Hexachlorobutadiene	75		63		40-140	17		50
Hexachlorocyclopentadiene	76		63		40-140	19		50
Hexachloroethane	70		59		40-140	17		50
Isophorone	77		64		40-140	18		50
Naphthalene	77		64		40-140	18		50
Nitrobenzene	84		70		40-140	18		50
NDPA/DPA	83		67		36-157	21		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

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 Batch: WG1548187-2 WG1548187-3								
n-Nitrosodi-n-propylamine	80		67		32-121	18		50
Bis(2-ethylhexyl)phthalate	83		66		40-140	23		50
Butyl benzyl phthalate	83		66		40-140	23		50
Di-n-butylphthalate	82		66		40-140	22		50
Di-n-octylphthalate	86		68		40-140	23		50
Diethyl phthalate	80		64		40-140	22		50
Dimethyl phthalate	78		64		40-140	20		50
Benzo(a)anthracene	79		63		40-140	23		50
Benzo(a)pyrene	83		67		40-140	21		50
Benzo(b)fluoranthene	82		65		40-140	23		50
Benzo(k)fluoranthene	79		65		40-140	19		50
Chrysene	75		61		40-140	21		50
Acenaphthylene	82		66		40-140	22		50
Anthracene	79		65		40-140	19		50
Benzo(ghi)perylene	81		66		40-140	20		50
Fluorene	82		65		40-140	23		50
Phenanthrene	77		63		40-140	20		50
Dibenzo(a,h)anthracene	82		66		40-140	22		50
Indeno(1,2,3-cd)pyrene	82		68		40-140	19		50
Pyrene	79		65		35-142	19		50
Biphenyl	85		70		37-127	19		50
4-Chloroaniline	89		79		40-140	12		50
2-Nitroaniline	86		70		47-134	21		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

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 Batch: WG1548187-2 WG1548187-3								
3-Nitroaniline	85		70		26-129	19		50
4-Nitroaniline	91		72		41-125	23		50
Dibenzofuran	81		65		40-140	22		50
2-Methylnaphthalene	82		68		40-140	19		50
1,2,4,5-Tetrachlorobenzene	79		64		40-117	21		50
Acetophenone	85		71		14-144	18		50
Benzyl Alcohol	92		76		40-140	19		50
Carbazole	84		68		54-128	21		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		67		25-120
Phenol-d6	90		73		10-120
Nitrobenzene-d5	80		67		23-120
2-Fluorobiphenyl	77		63		30-120
2,4,6-Tribromophenol	75		59		10-136
4-Terphenyl-d14	77		61		18-120

PCBS

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-01
 Client ID: SW-TANK
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 12:20
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 09/26/21 19:16
 Analyst: CW

Extraction Method: EPA 3510C
 Extraction Date: 09/25/21 00:54
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/25/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-02
 Client ID: SW-DR1
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 13:15
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/20/21 21:07
 Analyst: CW
 Percent Solids: 78%

Extraction Method: EPA 3546
 Extraction Date: 09/19/21 15:32
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.6	3.70	1	A
Aroclor 1221	ND		ug/kg	41.6	4.17	1	A
Aroclor 1232	ND		ug/kg	41.6	8.83	1	A
Aroclor 1242	ND		ug/kg	41.6	5.61	1	A
Aroclor 1248	ND		ug/kg	41.6	6.25	1	A
Aroclor 1254	ND		ug/kg	41.6	4.56	1	A
Aroclor 1260	10.6	J	ug/kg	41.6	7.70	1	A
Aroclor 1262	ND		ug/kg	41.6	5.29	1	A
Aroclor 1268	5.64	J	ug/kg	41.6	4.32	1	A
PCBs, Total	16.2	J	ug/kg	41.6	3.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-03
 Client ID: SUB-STA-1
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 14:45
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/20/21 21:14
 Analyst: CW
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 09/19/21 15:32
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	3.15	1	A
Aroclor 1221	ND		ug/kg	35.5	3.56	1	A
Aroclor 1232	ND		ug/kg	35.5	7.52	1	A
Aroclor 1242	ND		ug/kg	35.5	4.78	1	A
Aroclor 1248	ND		ug/kg	35.5	5.32	1	A
Aroclor 1254	ND		ug/kg	35.5	3.88	1	A
Aroclor 1260	ND		ug/kg	35.5	6.56	1	A
Aroclor 1262	ND		ug/kg	35.5	4.51	1	A
Aroclor 1268	ND		ug/kg	35.5	3.68	1	A
PCBs, Total	ND		ug/kg	35.5	3.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-04
 Client ID: SUB-STA-2
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:15
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/20/21 21:21
 Analyst: CW
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 09/19/21 15:32
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	3.14	1	A
Aroclor 1221	ND		ug/kg	35.4	3.54	1	A
Aroclor 1232	ND		ug/kg	35.4	7.50	1	A
Aroclor 1242	ND		ug/kg	35.4	4.77	1	A
Aroclor 1248	ND		ug/kg	35.4	5.31	1	A
Aroclor 1254	ND		ug/kg	35.4	3.87	1	A
Aroclor 1260	ND		ug/kg	35.4	6.54	1	B
Aroclor 1262	ND		ug/kg	35.4	4.49	1	A
Aroclor 1268	ND		ug/kg	35.4	3.66	1	A
PCBs, Total	ND		ug/kg	35.4	3.14	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-06
 Client ID: SW-DR-2
 Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:40
 Date Received: 09/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/20/21 21:28
 Analyst: CW
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 09/19/21 15:32
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.11	1	A
Aroclor 1221	ND		ug/kg	35.0	3.51	1	A
Aroclor 1232	ND		ug/kg	35.0	7.42	1	A
Aroclor 1242	ND		ug/kg	35.0	4.72	1	A
Aroclor 1248	ND		ug/kg	35.0	5.25	1	A
Aroclor 1254	ND		ug/kg	35.0	3.83	1	A
Aroclor 1260	ND		ug/kg	35.0	6.47	1	A
Aroclor 1262	ND		ug/kg	35.0	4.44	1	A
Aroclor 1268	ND		ug/kg	35.0	3.63	1	A
PCBs, Total	ND		ug/kg	35.0	3.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/20/21 20:46
Analyst: AD

Extraction Method: EPA 3546
Extraction Date: 09/19/21 15:32

Cleanup Method: EPA 3660B
Cleanup Date: 09/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-04,06 Batch: WG1548166-1						
Aroclor 1016	ND		ug/kg	32.9	2.92	A
Aroclor 1221	ND		ug/kg	32.9	3.30	A
Aroclor 1232	ND		ug/kg	32.9	6.97	A
Aroclor 1242	ND		ug/kg	32.9	4.43	A
Aroclor 1248	ND		ug/kg	32.9	4.93	A
Aroclor 1254	ND		ug/kg	32.9	3.60	A
Aroclor 1260	ND		ug/kg	32.9	6.08	A
Aroclor 1262	ND		ug/kg	32.9	4.18	A
Aroclor 1268	ND		ug/kg	32.9	3.41	A
PCBs, Total	ND		ug/kg	32.9	2.92	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/24/21 22:07
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 09/24/21 13:06
Cleanup Method: EPA 3665A
Cleanup Date: 09/24/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1550522-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	53		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-04,06 Batch: WG1548166-2 WG1548166-3									
Aroclor 1016	80		82		40-140	2		50	A
Aroclor 1260	74		76		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		73		30-150	A
Decachlorobiphenyl	70		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		70		30-150	B
Decachlorobiphenyl	60		65		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1550522-2 WG1550522-3									
Aroclor 1016	42		52		40-140	20		50	A
Aroclor 1260	45		54		40-140	18		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		54		30-150	A
Decachlorobiphenyl	54		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		49		30-150	B
Decachlorobiphenyl	48		54		30-150	B

METALS

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-02

Date Collected: 09/10/21 13:15

Client ID: SW-DR1

Date Received: 09/13/21

Sample Location: RENSSELAER, NY

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											
Arsenic, Total	5.01		mg/kg	0.506	0.105	1	09/14/21 21:23	09/23/21 14:56	EPA 3050B	1,6010D	MP
Barium, Total	51.3		mg/kg	0.506	0.088	1	09/14/21 21:23	09/23/21 14:56	EPA 3050B	1,6010D	MP
Cadmium, Total	1.02		mg/kg	0.506	0.050	1	09/14/21 21:23	09/23/21 14:56	EPA 3050B	1,6010D	MP
Chromium, Total	18.8		mg/kg	0.506	0.049	1	09/14/21 21:23	09/23/21 14:56	EPA 3050B	1,6010D	MP
Lead, Total	51.6		mg/kg	2.53	0.136	1	09/14/21 21:23	09/23/21 14:56	EPA 3050B	1,6010D	MP
Mercury, Total	0.136		mg/kg	0.090	0.058	1	09/14/21 22:09	09/15/21 15:36	EPA 7471B	1,7471B	OU
Selenium, Total	0.268	J	mg/kg	1.01	0.131	1	09/14/21 21:23	09/23/21 14:56	EPA 3050B	1,6010D	MP
Silver, Total	ND		mg/kg	0.506	0.143	1	09/14/21 21:23	09/23/21 14:56	EPA 3050B	1,6010D	MP



Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**SAMPLE RESULTS**

Lab ID: L2149063-06

Date Collected: 09/10/21 15:40

Client ID: SW-DR-2

Date Received: 09/13/21

Sample Location: RENSSELAER, NY

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											
Arsenic, Total	3.08		mg/kg	0.421	0.088	1	09/14/21 21:23	09/23/21 15:42	EPA 3050B	1,6010D	MP
Barium, Total	50.6		mg/kg	0.421	0.073	1	09/14/21 21:23	09/23/21 15:42	EPA 3050B	1,6010D	MP
Cadmium, Total	ND		mg/kg	0.421	0.041	1	09/14/21 21:23	09/23/21 15:42	EPA 3050B	1,6010D	MP
Chromium, Total	11.1		mg/kg	0.421	0.040	1	09/14/21 21:23	09/23/21 15:42	EPA 3050B	1,6010D	MP
Lead, Total	15.2		mg/kg	2.10	0.113	1	09/14/21 21:23	09/23/21 15:42	EPA 3050B	1,6010D	MP
Mercury, Total	ND		mg/kg	0.072	0.047	1	09/14/21 22:09	09/15/21 15:39	EPA 7471B	1,7471B	OU
Selenium, Total	0.185	J	mg/kg	0.842	0.109	1	09/14/21 21:23	09/23/21 15:42	EPA 3050B	1,6010D	MP
Silver, Total	0.130	J	mg/kg	0.421	0.119	1	09/14/21 21:23	09/23/21 15:42	EPA 3050B	1,6010D	MP



Project Name: BARNET MILLS

Lab Number: L2149063

Project Number: 21-26694E

Report Date: 09/28/21

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): 02,06 Batch: WG1546350-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/14/21 21:23	09/23/21 14:40	1,6010D	MP
Barium, Total	ND		mg/kg	0.400	0.070	1	09/14/21 21:23	09/23/21 14:40	1,6010D	MP
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/14/21 21:23	09/23/21 14:40	1,6010D	MP
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/14/21 21:23	09/23/21 14:40	1,6010D	MP
Lead, Total	ND		mg/kg	2.00	0.107	1	09/14/21 21:23	09/23/21 14:40	1,6010D	MP
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/14/21 21:23	09/23/21 14:40	1,6010D	MP
Silver, Total	ND		mg/kg	0.400	0.113	1	09/14/21 21:23	09/23/21 14:40	1,6010D	MP

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): 02,06 Batch: WG1546352-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/14/21 22:09	09/15/21 15:09	1,7471B	OU

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,06 Batch: WG1546350-2 SRM Lot Number: D109-540								
Arsenic, Total	96		-		70-130	-		
Barium, Total	92		-		75-125	-		
Cadmium, Total	101		-		75-125	-		
Chromium, Total	95		-		70-130	-		
Lead, Total	90		-		72-128	-		
Selenium, Total	98		-		68-132	-		
Silver, Total	91		-		68-131	-		
Total Metals - Mansfield Lab Associated sample(s): 02,06 Batch: WG1546352-2 SRM Lot Number: D109-540								
Mercury, Total	103		-		60-140	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

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): 02,06 QC Batch ID: WG1546350-3 QC Sample: L2149091-01 Client ID: MS Sample												
Arsenic, Total	4.12	10.4	12.7	82		-	-		75-125	-		20
Barium, Total	48.9	173	346	172	Q	-	-		75-125	-		20
Cadmium, Total	0.084J	4.59	3.67	80		-	-		75-125	-		20
Chromium, Total	14.3	17.3	29.5	88		-	-		75-125	-		20
Lead, Total	372	45.9	412	87		-	-		75-125	-		20
Selenium, Total	0.412J	10.4	8.35	80		-	-		75-125	-		20
Silver, Total	ND	26	24.7	95		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 02,06 QC Batch ID: WG1546352-3 QC Sample: L2149091-01 Client ID: MS Sample												
Mercury, Total	0.478	0.147	0.586	74	Q	-	-		80-120	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,06 QC Batch ID: WG1546350-4 QC Sample: L2149091-01 Client ID: DUP Sample						
Arsenic, Total	4.12	3.64	mg/kg	12		20
Barium, Total	48.9	135	mg/kg	94	Q	20
Cadmium, Total	0.084J	ND	mg/kg	NC		20
Chromium, Total	14.3	17.6	mg/kg	21	Q	20
Lead, Total	372	253	mg/kg	38	Q	20
Selenium, Total	0.412J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 02,06 QC Batch ID: WG1546352-4 QC Sample: L2149091-01 Client ID: DUP Sample						
Mercury, Total	0.478	0.625	mg/kg	27	Q	20

Project Name: BARNET MILLS

Project Number: 21-26694E

**Lab Serial Dilution
Analysis**
Batch Quality Control

Lab Number: L2149063

Report Date: 09/28/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,06 QC Batch ID: WG1546350-6 QC Sample: L2149091-01 Client ID: DUP Sample						
Barium, Total	48.9	49.4	mg/kg	1		20
Lead, Total	372	456	mg/kg	23	Q	20

INORGANICS & MISCELLANEOUS

Project Name: BARNET MILLS**Project Number:** 21-26694E**Lab Number:** L2149063**Report Date:** 09/28/21**SAMPLE RESULTS****Lab ID:** L2149063-02**Client ID:** SW-DR1**Sample Location:** RENSSELAER, NY**Date Collected:** 09/10/21 13:15**Date Received:** 09/13/21**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	78.0		%	0.100	NA	1	-	09/15/21 12:35	121,2540G	RI



Project Name: BARNET MILLS**Project Number:** 21-26694E**Lab Number:** L2149063**Report Date:** 09/28/21**SAMPLE RESULTS****Lab ID:** L2149063-03**Client ID:** SUB-STA-1**Sample Location:** RENSSELAER, NY**Date Collected:** 09/10/21 14:45**Date Received:** 09/13/21**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	88.6		%	0.100	NA	1	-	09/15/21 12:35	121,2540G	RI



Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-04

Client ID: SUB-STA-2

Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:15

Date Received: 09/13/21

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	91.6		%	0.100	NA	1	-	09/15/21 12:35	121,2540G	RI



Project Name: BARNET MILLS**Project Number:** 21-26694E**Lab Number:** L2149063**Report Date:** 09/28/21**SAMPLE RESULTS****Lab ID:** L2149063-06**Client ID:** SW-DR-2**Sample Location:** RENSSELAER, NY**Date Collected:** 09/10/21 15:40**Date Received:** 09/13/21**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	93.0		%	0.100	NA	1	-	09/15/21 12:35	121,2540G	RI



Lab Duplicate Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-04,06 QC Batch ID: WG1546670-1 QC Sample: L2147847-03 Client ID: DUP Sample						
Solids, Total	83.7	81.8	%	2		20

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21**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(*)
L2149063-01A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-01B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-01C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-01D	Amber 120ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8082-LVI(365)
L2149063-01E	Amber 120ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8082-LVI(365)
L2149063-02A	Vial Large Septa unpreserved (4oz)	A	NA		2.2	Y	Absent		NYTCL-8270(14),NYTCL-8260-R2(14),TS(7),NYTCL-8082(365)
L2149063-02B	Vial Large Septa unpreserved (4oz)	A	NA		2.2	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2149063-02X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-02Y	Vial Water preserved split	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-02Z	Vial Water preserved split	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-03A	Vial Large Septa unpreserved (4oz)	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-03B	Vial Large Septa unpreserved (4oz)	A	NA		2.2	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(365)
L2149063-03X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-03Y	Vial Water preserved split	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-03Z	Vial Water preserved split	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-04A	Vial Large Septa unpreserved (4oz)	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-04B	Vial Large Septa unpreserved (4oz)	A	NA		2.2	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(365)
L2149063-04X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-04Y	Vial Water preserved split	A	NA		2.2	Y	Absent	21-SEP-21 13:32	NYTCL-8260-R2(14)
L2149063-04Z	Vial Water preserved split	A	NA		2.2	Y	Absent	21-SEP-21 13:32	NYTCL-8260-R2(14)
L2149063-05A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-05B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)

Project Name: BARNET MILLS
Project Number: 21-26694E

Serial_No:09282113:22
Lab Number: L2149063
Report Date: 09/28/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2149063-05C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-06A	Vial Large Septa unpreserved (4oz)	A	NA		2.2	Y	Absent		NYTCL-8270(14),NYTCL-8260-R2(14),TS(7),NYTCL-8082(365)
L2149063-06B	Vial Large Septa unpreserved (4oz)	A	NA		2.2	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2149063-06X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-06Y	Vial Water preserved split	A	NA		2.2	Y	Absent	21-SEP-21 13:32	NYTCL-8260-R2(14)
L2149063-06Z	Vial Water preserved split	A	NA		2.2	Y	Absent	21-SEP-21 13:32	NYTCL-8260-R2(14)

Project Name: BARNET MILLS**Lab Number:** L2149063**Project Number:** 21-26694E**Report Date:** 09/28/21

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: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

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.

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'.

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.

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.)

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 Identified Compounds (TICs).
- 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.

Report Format: DU Report with 'J' Qualifiers



Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Data Qualifiers

- 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: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Biological Tissue Matrix: EPA 3050B


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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

 ALPHA <small>LABORATORY</small>	NEW YORK CHAIN OF CUSTODY	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	Date Rec'd in Lab 09/14/21	ALPHA Job # L2149063																																																																																																																																																																																																															
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